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PASSWORD:

<C

TERMINAL (ENTER 1, 2, 3, OR ?):2

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Welcome to STN International
NEWS
                 Web Page URLs for STN Seminar Schedule - N. America
NEWS
                 "Ask CAS" for self-help around the clock
                 New e-mail delivery for search results now available
NEWS
      3
         Jun 03
NEWS
         Aug 08
                 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS
     5
         Aug 19
                 Aquatic Toxicity Information Retrieval (AQUIRE)
                 now available on STN
NEWS
         Aug 26
                 Sequence searching in REGISTRY enhanced
NEWS
      7
         Sep 03
                 JAPIO has been reloaded and enhanced
NEWS 8
         Sep 16
                 Experimental properties added to the REGISTRY file
NEWS
     9
         Sep 16
                 CA Section Thesaurus available in CAPLUS and CA
NEWS 10
         Oct 01
                 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11
         Oct 24
                 BEILSTEIN adds new search fields
NEWS 12
         Oct 24
                 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13
        Nov 18
                 DKILIT has been renamed APOLLIT
NEWS 14
         Nov 25
                 More calculated properties added to REGISTRY
NEWS 15
        Dec 04
                 CSA files on STN
NEWS 16 Dec 17
                 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17
        Dec 17
                 TOXCENTER enhanced with additional content
NEWS 18
        Dec 17
                 Adis Clinical Trials Insight now available on STN
NEWS 19
         Jan 29
                 Simultaneous left and right truncation added to COMPENDEX,
                 ENERGY, INSPEC
NEWS 20
         Feb 13
                 CANCERLIT is no longer being updated
NEWS 21
         Feb 24
                 METADEX enhancements
NEWS 22
        Feb 24
                 PCTGEN now available on STN
NEWS 23
        Feb 24
                 TEMA now available on STN
NEWS 24
        Feb 26
                 NTIS now allows simultaneous left and right truncation
                 PCTFULL now contains images
NEWS 25
         Feb 26
NEWS 26
        Mar 04
                 SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27
        Mar 20
                 EVENTLINE will be removed from STN
NEWS 28
        Mar 24
                 PATDPAFULL now available on STN
NEWS 29
        Mar 24
                 Additional information for trade-named substances without
                 structures available in REGISTRY
NEWS 30
         Apr 11
                 Display formats in DGENE enhanced
NEWS 31
         Apr 14
                 MEDLINE Reload
NEWS 32
         Apr 17
                 Polymer searching in REGISTRY enhanced
NEWS 33
         Apr 21
                 Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 34
         Apr 21
                 New current-awareness alert (SDI) frequency in
                 WPIDS/WPINDEX/WPIX
NEWS 35
         Apr 28
                 RDISCLOSURE now available on STN
NEWS 36
         May 05
                 Pharmacokinetic information and systematic chemical names
                 added to PHAR
                 MEDLINE file segment of TOXCENTER reloaded
NEWS 37
         May 15
NEWS 38
         May 15
                 Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 39
         May 16
                 CHEMREACT will be removed from STN
NEWS 40
         May 19
                 Simultaneous left and right truncation added to WSCA
NEWS 41
         May 19
                 RAPRA enhanced with new search field, simultaneous left and
                 right truncation
```

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),

AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003

NEWS HOURS STN Operating Hours Plus Help Desk Availability

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NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 07:20:42 ON 06 JUN 2003

=> fil reg
COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 07:20:50 ON 06 JUN 2003 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 4 JUN 2003 HIGHEST RN 525536-93-0 DICTIONARY FILE UPDATES: 4 JUN 2003 HIGHEST RN 525536-93-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

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Experimental and calculated property data are now available. See HELF PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> e diptheria E1 DIPTH/BI E2 1 DIPTHAL/BI E3 17 --> DIPTHERIA/BI E4 2 DIPTHERIAE/BI 2 E5 DIPTHERITICUM/BI E6 1 DIPTHOCARPILINE/BI E7 1 DIPTHYCARPI/BI DIPTHYCARPIDI/BI E8 1 E9 1 DIPTHYCARPIDINE/BI E10 4 DIPTO/BI DIPTOCARP/BI E11 4 E12 2 DIPTOCARPAINE/BI

L1

17 DIPTHERIA/BI

=> d scan

- L1 17 ANSWERS REGISTRY COPYRIGHT 2003 ACS
  IN DNA (Mycobacterium leprae clone B42 22,781-nucleotide fragment) (9CI)
  SQL 22781
  MF Unspecified
  CI MAN

- \*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*
- \*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*
  \*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*
- HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

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<C
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```
=> e copper
                     COPOYLMER/BI
              1
E2
             15
                     COPP/BI
E3
         285307 --> COPPER/BI
E4
                     COPPER, GOLD/BI
              1
E5
                     COPPERAS/BI
              1
                     COPPERBIS/BI
E6
              1
                     COPPERCIDE/BI
E7
              1
             26
                     COPPERDI/BI
E8
E9
              1
                     COPPERDICHLORO/BI
                     COPPERDICHLOROTHIOPHENE/BI
E10
              1
                     COPPERDIVANADIUM/BI
E11
              1
                     COPPERDIZINC/BI
E12
              1
=> e Cu
E1
              1
                     CTYZINE/BI
                     CTZ/BI
E2
              1
         253718 --> CU/BI
E3
                     CU+/BI
E4
              1
                     CU++/BI
E5
              1
                     CU,/BI
E6
              1
                     CU, AG/BI
E7
             30
                     CU, AG, AL/BI
E8
              1
E9
                     CU, AG, AL2O3/BI
              1
E10
                     CU, AG, ALUMINUM/BI
              1
E11
                     CU, AG, AS, CO, FE, PB, SB, SN, ZN/BI
              1
E12
                     CU, AG, AS, FE, PB, SB, SN/BI
=> e Cu/cn
                     CTX-CZ 5A/CN
E1
              1
                     CTZ/CN
E2
              1
E3
              0 --> CU/CN
                     CU 0202/CN
E4
              1
E5
                     CU 0203/CN
              1
                     CU 0203T/CN
Ε6
              1
                     CU 0803/CN
E7
              1
E8
                     CU 0825/CN
              1
                     CU 0890P/CN
E9
              1
                     CU 1106P/CN
E10
              1
E11
                     CU 1107T/CN
              1
                     CU 112/CN
E12
```

## => e cu 64

NUMBER OF TERMS TO DISPLAY IS OUT OF RANGE The total number of terms displayed in a single EXPAND command must be in the range 5-25.

=> fil .search

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 6.22 6.43

FULL ESTIMATED COST

FILE 'MEDLINE' ENTERED AT 07:23:42 ON 06 JUN 2003

FILE 'CAPLUS' ENTERED AT 07:23:42 ON 06 JUN 2003 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS) FILE 'BIOSIS' ENTERED AT 07:23:42 ON 06 JUN 2003 COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'USPATFULL' ENTERED AT 07:23:42 ON 06 JUN 2003 CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'EMBASE' ENTERED AT 07:23:42 ON 06 JUN 2003 COPYRIGHT (C) 2003 Elsevier Science B.V. All rights reserved.

=> s 11

L2 11 L1

=> dup rem 12

PROCESSING COMPLETED FOR L2

L3 10 DUP REM L2 (1 DUPLICATE REMOVED)

=> d ibib ab 1-

YOU HAVE REQUESTED DATA FROM 10 ANSWERS - CONTINUE? Y/(N):y

```
L3 ANSWER 1 OF 10
ACCESSION NUMBER:
DOCUMENT NUMBER:
138:84317
TITLE:
AUTHOR(S):

AUTHOR(S):

Caplus Copyright 2003 ACS
2003:55536 CAPLUS
138:84317
Generation and initial analysis of more than 15,000
full-length human and mouse cDNA sequences
Strausberg, Robert L.; Feingold, Elise A.; Grouse,
Lynette H.; Derge, Jeffery G.; Klausner, Richard D.;
Colline, Francis S.; Wagner, Lukse; Shemmen, Carolyn
M.; Schuler, Gregory D.; Altachul, Stephen F.;
Zeeberg, Barry; Buetow, Kenneth H.; Schaefer, Carl
                                                                                                                                                           Bhat, Narayan K.; Hopkins, Ralph P.; Jordan, Heather; Moore, Troy; Max, Steve I.; Wang, Jun; Hsieh. Florence; Dietchenko, Luda; Marusina, Kate; Farmer, Andrew A.; Rubin, Gerald M.; Hong, Ling; Stapleton, Mark; Soares, M. Bento; Bonaldo, Maris F.; Casavant, Tom L.; Scheetz, Todd E.; Brownstein, Michael J.; Usdin, Ted B.; Toshiyuki, Shiraki; Carninci, Piero; Prange, Christa: Raha. Sam S.; Loquellano, Naomi A.; Peters, Garrick J.; Ahramson, Rick D.; Mullahy, Sara J.; Bosak, Stephanie A.; McEwan, Paul J.; McKernan, Kevin J.; Malek, Joel A.; Gunaratne, Preethi H.; Richards, Stephen; Worley, Kim C.; Hale, Sarah; Garcia, Angela M.; Gay, Laura J.; Hulyk, Stephen W.; Villalon, Debbie K.; Muzny, Donna M.; Sodergren,
               P.;
               Erica
                                                                                                                                                               J.; Lu, Xiuhua; Gibbs, Richard A.; Fahey, Jessica;
Helton, Erin; Ketteman, Mark; Madan, Anuradha;
Rodrigues, Stephanie; Sanchez, Amy; Whiting,
               Michelle;
                                                                                                                                                             Madan, Anup; Young, Alice C.; Shevchenko, Yuriy;
Bouffard, Gerard G.; Blakesley, Robert W.; Touchman,
Jeffrey W.; Green, Bric D.; Dickson, Mark C.;
Rodriguez, Alex C.; Grimwood, Jane; Schmutz, Jeremy;
Myers, Richard M.; Butterfield, Yaron S. N.;
Krzywinski, Martin I.; Skalske, Uraula; Smailus,
               Duane
                                                                                                                                                             E.; Schnerch, Angelique: Schein, Jacqueline E.;
               Jones.
                                                                                                                                                             Steven J. M.; Marra, Marco A.
National Cancer Institute, NIH, Bethesda, MD,
2082-2580, USA
Proceedings of the National Academy of Sciences of
               CORPORATE SOURCE:
               SOURCE:
                                                                                                                                                             United States of America (2002), 99(26), 16899-16903
CODEN: PNASA6; ISSN: 0027-8424
National Academy of Sciences
               PUBLISHER:
              DOCUMENT TYPE:
LANGUAGE:
AB The Nation
            LANGUAGE: English
AB The National Institutes of Health Mammalian Gene Collection (MGC) Program
is a multiinstitutional effort to identify and sequence a cDNA clone
contg. a complete ORF for each human and mouse gene ESTE were generated
from libraries enriched for full-length cDNAs and snalyzed to identify
candidate full-ORF clones, which then were sequenced to high accuracy.
The MGC has currently sequenced and verified the full ORF for a
nonredundant set of >9000 human and >6000 mouse genes. Candidate
full-ORF
              L3 ANSMER 2 OF 10 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:636199 CAPLUS
DOCUMENT NUMBER: 135:209895
ITILE: Antibody library
INVENTOR(5): Kurosawa, Yoshikazu; Akahori, Yasushi; Iba,
                                                                                                                                                         Morino, Kazuhiko; Shinohara, Midori; Takahashi, Motohide; Okuno, Yoshinobu; Shiraki, Kimiyasu Medical + Biological Laboratories Co., Ltd., Japan PCT Int. Appl., 181 pp.
CODEN: PIXXD2
Patent
Japanses 1
Japanses 1
               PATENT ASSIGNEE(S):
SOURCE:
               DOCUMENT TYPE:
PATENT NO. KIND DATE APPLICATION NO. DATE

WO 2001062907 A1 20010830 NO 2001-JP1298 20010222

WI: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, F1, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MM, MX, NC, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RH: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BP, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 2001034125 A5 20010903 AU 2001-34125 20010222

EP 1264685 A1 20021211 EP 2001-396307 20010212

FR: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

PRIORITY APPLN. INFO: W0 2001-JP1298 W 20010222

AB An antibody library is prepd. by selecting a light chain variable region capable of binding to the variable region of heavy chain to reproduce an active conformation and using the same. Because of being capable of maintaining the diversity of the heavy chain variable region at a high ratio in vitro, this antibody library is expected as enabling the acquisition of antibodies with various binding activities. Thus, anti-tetanus toxoid, anti-diphteria toxoid, anti-influenza virue, and anti-varicella-zoster virus neutralizing Ig, heavy and light chains were selected.

REFERENCE COUNT: 6 THERE ARE 6 CITED REPERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE FOR THIS FORMAT
               PAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
               FORMAT
```

```
L3 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:319756 CAPLUS
DOCUMENT NUMBER: 134:352262
Vaccine compositions
INVENTOR(s): Murphy, John R.; O'Lear, Edward; Harrison, Robert J.
Advanced Microbial Solutions Corp., USA
POT Int. Appl., 54 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent Edward: Harrison, Robert J.
Advanced Microbial Solutions Corp., USA
PCT Int. Appl., 54 pp.
CODEN: PIXXD2

Patent INFORMATION: English
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:
     FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
 PATENT NO. KIND DATE APPLICATION NO. DATE

WO 2001030384 Al 20010503 W0 2000-US29231 20001023

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, SLT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, AM, AZ, BY, KG, KZ, KD, RU, TJ, TM

RW: GH, GM, KE, LS, MM, MZ, SD, SL, SZ, TZ, UG, ZM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NR, SN, TD, TG

PRIORITY APPLN. INFO: US 1999-161193P P 19991022

AB Disclosed are virulent or opportunistic prokaryotes in which metal ion-dependent gene regulation confers a growth or an infectious advantage.
ion-dependent gene regulation conters a grown of content advantage.

The prokaryote contains a DNA mol. contg. a sequence encoding a dominant, metal ion-independent repressor protein or a partially metal ion independent repressor protein. The prokaryotes are formulated into vectine compns, and administered to a human or other animal to enhance protective immunity against infectious and diseases caused by prokaryotes in which metal ion-dependent gene regulation confers a growth or an infectious advantage.

REPERENCE COUNT: 2 THERE ARE 2 CITED REPERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
```

L3 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1
(Continued)

clones for an addnl. 7800 human and 3500 mouse genes also have been identified. All MCC sequences and clones are available without restriction through public databases and clone distribution networks. [This abstr. record is one of eleven records for this document necessitated by the large no. of index entries required to fully index

document and publication system constraints.].

```
L3 ANSWER 4 OF 10 USPATFULL ACCESSION NUMBER: 2001:15
TITLE: Identif
                                                                            2001:190895 USPATFULL
                                                                           Identification of virulence determinants activators in prokaryotic pathogens
                                                                           prokaryotic patnogens
Murphy, John R., Boeton, MA, United States
Sun. Li, Oxford, United Kingdom
Boston Medical Center Corporation, Boston, MA, United
States (U.S. corporation)
 INVENTOR(S):
 PATENT ASSIGNEE(S):
                                                                                                                                            DATE
                                                                                                                                   KIND
                                                                                          NUMBER
                                                                                                                                      B1
                                                                                                                                                     20011030
19990930 (9)
 PATENT INFORMATION:
                                                                           US 6309817
                                                                           US 1999-408618
 APPLICATION INFO. :
                                                                                                 NUMBER
                                                                                                                                            DATE
PRIORITY INFORMATION:
DOCUMENT TYPE:
FILE SEGMENT:
FILE SEGMENT:
ASSISTANT EXAMINER:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COURT.
                                                                           US 1998-102545P
Utility
GRANTED
                                                                                                                                      19980930 (60)
                                                                           GRANNED
Stucker, Jeffrey
Winkler, Ulrike
Lerner, David, Littenberg, Krumholz & Mentlik, LLP
17
                                                                           3 Drawing Figure(s); 3 Drawing Page(s)
Nomes Or Data No.: 3 Drawing Page(8): 3 Drawing Page(8)

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AD Disclosed is a method for identifying activators of a transition metal-dependent repressor of virulence gene expression in infectious prokaryotic pathogens. The method utilizes genetic circuitry that represents the response of a given prokaryote to nutritional stress and the expression of genes that contribute to the establishment of the infectious process. The exposure of recombinant cells or a cell-free system containing the genetic circuitry to a non-metal ion test substance that activates the repressor produces a detectable response. The method is applicable for any prokaryote employing metal ion-dependent repressors to regulate specific gene expression, specifically as it pertains to virulence determinant expression.
 LINE COUNT:
                                                                           1310
```

```
ANSWER 5 OF 10 CAPLUS COPYRIGHT 2003 ACS (Continued) sequence. The method utilizes genetic circuitry that represents the response of a given prokaryote to nutritional stress and the expression
                   genes that contribute to the establishment of the infectious process.
The exposure of recombinant cells or a cell-free system contg. the genetic circuitry to a non-metal ion test substance that activates the repressor produces a detectable response. The method is applicable for any prokaryote employing metal ion-dependent repressors to regulate specific gene expression, specifically as it pertains to virulence determinant expression and can be used for antibacterial drug screening.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
```

```
2000:227822 CAPLUS
133:2751317
PSDT (positive selection DtxR homolog and targets)
system for identifying virulence determinant
activators in prokaryotic pathogens and screening for
antibacterial drugs
Murphy, John R.; Sun, Li
Boston Medical Center Corporation, USA
PCT Int. Appl., 49 pp.
CODEN: PIXXD2
Patent
INVENTOR(S):
PATENT ASSIGNEE(S):
SOURCE:
DOCUMENT TYPE:
                                                                                                                                                                   Patent
                                                                                                                                                                English
 LANGUAGE:
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
                        MO 2000018964 A1 20000406 MO 1999-US22770 19990930

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, F1, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MM, MX, KO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RN: GH, GM, KE, LS, MM, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, F1, FR, GB, GR, IE, IT, LU, MC, NI, PT, SE, BP, BJ, CF, CG, CI, CM, GA, GM, ML, MR, NE, SN, TD, TG

AU 9955043 A1 20000417 AU 1999-S030 19990930

US 1999-408618 19990930

RRITY APPLN. INFO: US 1999-408618 19990930

RRITY APPLN. INFO: US 1999-408618 19990930

A method based on PSDT (pos. selection DtxR homolog and targets) system for identifying activators of a transition metal-dependent repressor of virulence gene expression in infectious prokaryotic pathogens is described. The initial PSDT system consists of a lysogenic Eacherichia coli host strain with an integrated lambda, phage carrying the reporter gene for CAT (chloramphenicol acetyltransferase) or CAT-LacZ fusion protein under the control of the promoter and operator of tetA gene (tetAPO, repressed by TeRR). The host bacterial strain also contains two plasmids, one carries the testR gene under the control of diphtheria
                                  PATENT NO.
                                                                                                                                             KIND DATE
                                                                                                                                                                                                                                                                                     APPLICATION NO. DATE
US 6309817
PRIORITY APPLN. INFO.:
                        gene promoter and operator (toxPO) and the other carries a functional allele of DtxR (diphtheria toxin gene repressor). In the presence of iron, the cofactor of DtxR, DtxR can bind to toxPO to repress the transcription of TetR which allows constitutive expression of the briter gene and the host phenotype becomes chloramphenical resistant (Cmr) and .beta.-gelactosidase activity can be detected. In contrast, if iron chelator 2.2'-dipyridy (DP) is added to the media, DtxR can not be activated and TetR is expressed to repress the reporter gene and the host phenotype becomes Cmm and no. beta.-gelactosidase activity can be detected. The system with slight modification can be used to isolate iron-independent self-activating DtxR (SAD) mutants and rapidly screen
                              functionally equiv. DtxR homologs and their cognate novel operator
```

```
ANSWER 6 OF 10 CAPLUS COPYRIGHT 2003 ACS
SSION NUMBER: 1998:389708 CAPLUS
MENT NUMBER: 129:77224
 DOCUMENT NUMBER:
TITLE:
                                                                                                        139:77224
Deciphering the biology of Mycobacterium tuberculosis from the complete genome sequence
Cole, S. T.; Brosch, R.; Parkhill, J.; Garnier, T.;
Churcher, C.; Harris, D.; Gordon, S. V.; Eiglmeier,
K.; Gas, S.; Barry, C. E., III.; Tekaia, F.; Badcock,
K.; Basham, D.; Brown, D.; Chillingworth, T.; Connor,
R.; Davies, R.; Devlin, K.; Feltwell, T.; Gentles,
 AUTHOR (S):
                                                                                                     Hamlin, N.; Holroyd, S.; Hornsby, T.; Jagels, K.; Krogh, A.; McLean, J.; Moule, S.; Murphy, L.; Oliver, K.; Osborne, J.; Ousil, M. A.; Rajandream, M. A.; Rogers, J.; Rutter, S.; Seeger, K.; Skelton, J.; Squares, R.; Squares, S.; Sulston, J. E.; Taylor, K.; Mhitchead, S.; Barrell, B. G.
Sanger Cent., Wellcome Trust Genome Campus, Hinxton, CB10 1SA, UK
Nature (London) (1998), 193 (6685), 537-544
CODEN: NATUAS; ISSN: 0028-0836
Macmillan Magazines
Journal
CORPORATE SOURCE:
SOURCE:
 PUBLISHER:
 DOCUMENT TYPE:
                                                                                                         Journal
 LANGUAGE:
                                                                                                         English
                  Countless millions of people have died from tuberculosis, a chronic infectious disease caused by the tubercle bacillus. The complete genome sequence of the best-characterized strain of Mycobacterium tuberculosis, H37RV, was detd. and analyzed in order to improve our understanding of
                 biol. of this slow-growing pathogen and to help the conception of new prophylactic and therapeutic interventions. The genome comprises 4.411,539 base pairs, contains around 4000 genes, and has a very high G+C content that is reflected in the biased amino acid content of the proteins. M. tuberculosis differs radically from other bacteria in that
```

very large portion of its coding capacity is devoted to the prodn. of enzymes involved in lipogenesis and lipolysis, and to 2 new families of glycine-rich proteins with a repetitive structure that may represent a source of antigenic variation.

REFERENCE COUNT: 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

ANSWER 7 OF 10 CAPLUS COPYRIGHT 2003 ACS 1998:773005 CAPLUS

ACCESSION NUMBER: DOCUMENT NUMBER:

130:120325 TITLE:

AUTHOR(S):

130:120325
Deciphering the biology of Mycobacterium tuberculosis from the complete genome sequence. [Erratum to document cited in CA139:77224]
Cole, S. T.; Brosen, R.; Parkhill, J.; Garnier, T.; Churcher, C.; Harris, D.; Gordon, S. V.; Eiglmeier, K.; Oas, S.; Barry, C. E., III; Teksia, P.; Badcock, K.; Basham, D.; Brown, D.; Chillingworth, T.; Connor, R.; Davies, R.; Devlin, K.; Feltwell, T.; Gentles,

S.:

<C

Hamlin, N.; Holroyd, S.; Horneby, T.; Jagels, K.;
Krogh, A.; McLean, J.; Moule, S.; Murphy, L.; Oliver,
K.; Osborne, J.; Quail, M. A.; Rajandream, M.-A.;
Rogers, J.; Rutter, S.; Seeger, K.; Skelton, J.;
Squares, R.; Squares, S.; Sulston, J. E.; Taylor, K.;
Whitchead, S.; Barrell, B. G.
Sanger Cent., Wellcome Trust Genome Campus, Hinxton,
CB10 ISA, UK
Nature (London) (1998), 396(6707), 190-198
CODEN: NATURS; ISSN: 0028-0816
Macmillan Magazines
Journal

CORPORATE SOURCE:

SOURCE .

PHRI.T SHEP

DOCUMENT TYPE:

MENT TYPE: Journal
UNGE: English
Table 1 was published with some symbols missing; the correct version can
be found at http://www.senger.ac.uk and is given here. In Fig. 2, Rv0649
was incorrectly labeled as fadD37 instead of fabD2. Two of the genes for
mycolyl transferases were inverted: Rv0129c encodes antigen 85C and not
85c' as stated, whereas Rv3803c codes for the secreted protein MPT51 and
not antigen 85C (Infect. Immun. 59, 372-382; 1991); Rv3803c is now
designated fbpD. The sequence of Rv0746 from M. bovis BCG-Pasteur
presented in Fig. 5 b was incorrect and should have shown a 16-codon
deletion instead of 29.

L3 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 1997:556747 CAPLUS DOCUMENT NUMBER: 127:273529

Multiplex sequencing of 1.5 Mb of the Mycobacterium TITLE:

AUTHOR (S):

Aldredge.

Tyler; Maher, James; Lundstrom, Ronald; Tulig, Craig; Falls, Kathleen; Imrich, Joan; Torrey, Dana; Engelstein, Marcy; Breton, Gary; Madan, Deepika; Nietupaki, Raymond; Seitz, Bruce; Connelly, Steven; McDougall, Steven; Safer, Herahel; Gibson, Rene; Doucette-Stamm, Lynn; Eiglmeier, Karin; Bergh, Staffan; Cole, Stewart T.; Robinson, Keith; Richterich, Laura; Johnson, Jason; Church, George M.; Mao, Jen-i

Richterich, Laure; Johnson, Jason; Church, George M Mao, Jen-1 Collaborative Res. Div., Genome Therapeutics Corp., Maltham, MA, 02154, USA Genome Research (1997), 7(8), 802-819 CODEN: GEREFS; ISSN: 1088-9051 Cold Spring Harbor Laboratory Press Journal SOURCE:

DIELISHED

CORPORATE SOURCE:

Cold Spring Harbor Laboratory Press
Journal
AB Journal
Type: Journal
AB The nucleotide sequence of 1.5 Mb of genomic DNA from Mycobacterium
leprae
was detd. using computer-assisted multiplex sequencing technol. This
brings the 2.8 Mb M. leprae genome sequence to -66% completion. The
sequences, derived from 43 recombinant cosmide, contain 1046 putative
protein-coding genes, 44 repetitive regions, 3 rRNAs, and 15 rRNAs. The
gene d. of one per 1.4 kb is slightly lower than that of Mycoplasma (1.2
kb). Of the protein coding genes, 44 % have significant matches to genes
with well-defined functions. Comparison of 1157 M. leprae and 1564
Mycobacterium tuberculosis proteins shows a complex mosaic of homologous
genomic blocks with up to 22 adjacent proteins in conserved map order.
Matches to known enzymic, entigenic, membrane, cell wall, cell division,
multidrug resistance, and virulence proteins suggest therapeutic and
vaccine targete. Unusual features of the M. leprae genome include large
polyketide synthase (pks) operons, inteins, and highly fragmented
pseudogenes..

L3 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2003 ACS ACCESSION NUMBER: 1995:978371 CAPLUS DOCUMENT NUMBER: 124:108085

DOCUMENT NUMBER: TITLE:

AUTHOR (S) :

Genomic organization of the mycobacterial sigma gene

Cluster
Doukhan, Laurence; Predich, Mima; Nair, Gopalan;
Dussurget, Olivier; Mandic-Mulec, Inee; Cole, Stewart
T.; Smith, Douglas R.; Smith, Issar
Dep. of Microbiology, Public Health Res. Inst., New
York, NY, 10016, USA
Gene (1995), 165(1), 67-70
CODEN: GENED6; ISSN: 0378-1119
Elsevier
Journal

CORPORATE SOURCE:

English

UAGE: English
Sigma factors .sigma.A and .sigma.B and their structural genes, mysA and
mysB, resp., have been previously described in Mycobacterium smegmatis.
Corresponding regions in the M. tuberculosis and M. leprae chromosomes
were sequenced, and the 2 homologous genes were found. Chromosomal
linkage and the deduced amino acid (as) sequences of the 2 genes show

high aimilarity in the 3 species of mycobacteria. Two other open reading frames (ORP) were also found in these clusters. OrfX, which has an unknown function, is located between mysA and mysB. The other ORP, located downstream from mysB, encodes a homolog of DtXR, the iron regulatory protein from Corynebacterium diphtheriae (Cd).

ANSWER 10 OF 10 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
SSION NUMBER: 1990:425483 BIOSIS
MENT NUMBER: BA90:86284
E: MOLECULAR CLONING AND DNA SEQUENCE ANALYSIS OF A

ACCESSION NUMBER:

DOCUMENT NUMBER: TITLE:

DIPHTHERIA

TOX IRON-DEPENDENT REGULATORY ELEMENT DTX-R FROM

CORYNEBACTERIUM-DIPHTHERIAE.

CONTINEBACIERIUM-DIPHIRATE.
BOYD J. OZA M N. MURPHY J R
EVANS DEP. CLIN. RES. DEP. MED., THE UNIV. HOSP., BOSTON
UNIV. MED. CENT., BOSTON, MA 02118.
PROC NATL ACAD SCI U S A, (1990) 87
CODEN: PNASA6. ISSN: 0027-8480. AUTHOR(S): CORPORATE SOURCE:

SOURCE:

FILE SEGMENT:

LANGUAGE:

SEGNENT: BA; OLD

UNGE: English

Although the structural gene for diptheria toxin, tox, is carried by a family of closely related corynebacteriophages, the regulation of tox expression is controlled, to a large extent, by its bacterial host Corynebacterium diptheriae. Optimal yields of tox gene products are obtained only when iron becomes the growth-rate-limiting substrate. Previous studies suggest that regulation of tox expression is mediated through an iron-binding apprepasor. To facilitate molecular cloning of the tox regulatory element from genomic libraries of C. diphtheriae, we constructed a tox promoter/operator (toxPO)-lacz transcriptional fusion

Escherichia coli strain DHS.alpha. We report the molecular cloning and nucleic acid sequence of a diphtheria toxin iron-dependent regulatory element, dtxR, and demonstrate that expression of .beta.-galactosidase from the toxPo-lecZ fusions is regulated by dtxR-encoded protein in an iron-sensitive manner. In addition, we show that expression of the toxPo-lecZ fusion is not affected by the E. coli iron-regulatory protein Fur and that the dtxR protein does not inhibit expression of fur-regulated outer-membrane proteins.

Page 10

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LS ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER:
DOCUMENT NUMBER:
135:20995
Antibody library
INVENTOR(S):
Yoshitaka;
Morino, Kazuhiko; Shinohara, Midori; Tekahashi,
Motchide; Okuno, Yoshinobu; Shiraki, Kimiyasu
Medical + Biological Laboratories Co., Ltd., Japan
PCT Int. Appl., 181 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: PATENT INFORMATION:

PATENT INFORMATION:

PATENT INFORMATION:

MO 2001062907 Al 20010830 WO 2001-JP1298 200102322

M: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, EZ, CA, CH, CN,
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, PI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LK, LS, LT, LU,
LV, MA, MD, MG, MK, MM, MM, MX, MZ, NO, NZ, PL, PT, RO, RU, SD,
SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VM, VI,
ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RN: GH, GM, KE, LS, MM, MZ, SD, LS, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GM, GW, ML, MR, NE, SN, TD, TG
AU 2001034125 AS 20012912

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

PRIORITY APPLM. INFO:

DE 2002-50581 A 20010222

AB An antibody library is prepd. by selecting a light chain variable region
capable of binding to the variable region of heavy chain to reproduce an
active conformation and using the same.
Because of being capable of
maintaining the diversity of the heavy chain variable region of
maintaining the diversity of the heavy chain variable region of
maintaining the diversity of the heavy chain variable region of
maintaining the diversity of the heavy chain variable region of
maintaining the diversity of the heavy chain variable region of
maintaining the diversity of the heavy chain variable region of
maintaining the diversity of the heavy chain variable region of
maintaining the diversity of the heavy chain variable region of
maintaining the diversity of the heavy chain variable region of
maintaining the diversity of the heavy chain variable reg
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LS ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER:
1998:773005 CAPLUS
130:120125
Deciphering the biology of Mycobacterium tuberculosis from the complete genome sequence. [Erratum to document cited in CAl19:77224]

AUTHOR(S):

AUTHOR(S):
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=> s (immunotoxin? and (radiolabel? or radionuclid? or radioactiv? or label?))
          3724 (IMMUNOTOXIN? AND (RADIOLABEL? OR RADIONUCLID? OR RADIOACTIV?
               OR LABEL?))
=> s 16 and (pathogen?)
           812 L6 AND (PATHOGEN?)
=> s 17 and (diseas?)
           785 L7 AND (DISEAS?)
=> s 18 and antibod?
           779 L8 AND ANTIBOD?
=> s 19 and (disease(p)pathogen? or diseases(p)pathogen?)
           404 L9 AND (DISEASE(P) PATHOGEN? OR DISEASES(P) PATHOGEN?)
=> s 19 and (disease(p)pathogen? or diseases(p)pathogen?) and cell?
   3 FILES SEARCHED...
           403 L9 AND (DISEASE(P) PATHOGEN? OR DISEASES(P) PATHOGEN?) AND
L11
               CELL?
=> s 110 and (disease(p)pathogen? or diseases(p)pathogen?) and cell?
   3 FILES SEARCHED...
           403 L10 AND (DISEASE(P) PATHOGEN? OR DISEASES(P) PATHOGEN?) AND
               CELL?
=> s 112 and (tox?)
           389 L12 AND (TOX?)
=> s l13 and (sFv(w)antibod?)
           137 L13 AND (SFV(W) ANTIBOD?)
=> s l14 and (immunotoxin(p)radiolabel? or immunotoxins(p)radiolabel? or
immunotoxin(p)radionuclid? or immunotoxins(p)radionuclid?)
            10 L14 AND (IMMUNOTOXIN(P) RADIOLABEL? OR IMMUNOTOXINS(P) RADIOLABE
L15
               L? OR IMMUNOTOXIN(P) RADIONUCLID? OR IMMUNOTOXINS(P) RADIONUCLID
               ?)
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PROCESSING COMPLETED FOR L5
L16
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=> dup rem 115
PROCESSING COMPLETED FOR L15
L17
             10 DUP REM L15 (0 DUPLICATES REMOVED)
=> d ibib ab 1-
YOU HAVE REQUESTED DATA FROM 10 ANSWERS - CONTINUE? Y/(N):y
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CONTROLL

2003:152892 USPATFULL

Secreted and transmembrane polypeptides and nucleic acids encoding the same Ashkenazi, Avi J., San Mateo, CA, UNITED STATES Baker, Kevin P., Darneatown, MD, UNITED STATES Botatein, David A., Belmont, CA, UNITED STATES Botatein, David A., Belmont, CA, UNITED STATES Botatein, David A., Belmont, CA, UNITED STATES Eaton, Dan L., San Rafael, CA, UNITED STATES Eaton, Dan L., San Rafael, CA, UNITED STATES Fornara, Napoleone, San Francisco, CA, UNITED STATES Godo, Wei-Qiang, Palo Alto, CA, UNITED STATES Godo, Wei-Qiang, Palo Alto, CA, UNITED STATES Gododwaki, Paul J., Hilluborough, CA, UNITED STATES Godowaki, Paul J., Hilluborough, CA, UNITED STATES Gurney, Austin L., Belmont, CA, UNITED STATES Kljavin, Ivar J., Layfayette, CA, UNITED STATES Mather, Jennie P., Millbrae, CA, UNITED STATES Mather, Jennie P., Millbrae, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Paoni, Nicholas P., Belmont, CA, UNITED STATES Roy, Margaret Ann, San Francisco, CA, UNITED STATES Stewart, Timothy A., San Francisco, CA, UNITED STATES Stewart, Timothy A., San Francisco, CA, UNITED STATES Watenabe, Colin K., Moraga, CA, UNITED STATES Shang, Zemin, Poster City, CA, UNITED STATES Chentech, Inc. (U.S. corporation)
  L17 ANSWER 1 OF 10 USPATFULL ACCESSION NUMBER: 2003:1
  INVENTOR (S) :
  PATENT ASSIGNEE(S):
                                                                                                                                                                                                                               NUMBER KIND DATE

US 2003104558 A1 20030605
US 2002-226739 A1 20020823 (10)
Continuation of Ser. No. US 2001-2796, filled on 15 Nov 2001, PENDING Continuation of Ser. No. WO
  PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
  2000-US14042,
                                                                                                                                                                                                                                  filed on 22 May 2000, PENDING
                                                                                                                                                                                                                                                                                                 NUMBER
                                                                                                                                                                                                                             NOTIONA

NOT
  PRIORITY INFORMATION:
                                          ANSWER 2 OF 10 USPATFULL
  ACCESSION NUMBER:
                                                                                                                                                                                                                                  2003:86798 USPATFULL
                                                                                                                                                                                                                             Secreted and transmembrane polypeptides and nucleic acids encoding the same Ashkenazi, Avi J.. San Mateo, CA, UNITED STATES Baker, Kevin P., Darnestown, MD, UNITED STATES Botestein, David, Belmont, CA, UNITED STATES Desnoyers, Luc, San Francisco, CA, UNITED STATES Desnoyers, Luc, San Francisco, CA, UNITED STATES Eaton, Dan L., San Rafael, CA, UNITED STATES Ferrara, Napoleone, San Francisco, CA, UNITED STATES Filvaroff, Ellen, San Francisco, CA, UNITED STATES Fong, Sherman, Alemeda, CA, UNITED STATES Goa, Wei-Qiang, Pelo Alto, CA, UNITED STATES Gerber, Hanspeter, San Francisco, CA, UNITED STATES Gerritsen, Mary E., San Mateo, CA, UNITED STATES Goddard, Audrey, San Francisco, CA, UNITED STATES Goddwski, Paul J., Burlingame, CA, UNITED STATES Goddwski, Paul J., Burlingame, CA, UNITED STATES STATES Gurney, Austin L., Belmont, CA, UNITED STATES
                                                                                                                                                                                                                                  Secreted and transmembrane polypeptides and nucleic
  INVENTOR (5):
                                                                                                                                                                                                                           Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
GURNEY, Austin L., Belmont, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Kljavin, Ivar J., Lafayette, CA, UNITED STATES
Klyavin, Ivar J., Lafayette, CA, UNITED STATES
Kuo, Sophia S., San Francisco, CA, UNITED STATES
Napier, Mary A., Hillaborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Shelton, David L., Oakland, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillaborough, CA, UNITED STATES
GENENTECH, INC. U.S. corporation)
  PATENT ASSIGNEE(S):
                                                                                                                                                                                                                             NUMBER KIND DATE

US 2003060406 A1 20030327
US 2001-918585 A1 20010730 (9)
Continuation of Ser. No. US 1998-40220, filed on 17
  PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                                                                                                                                                               1998, PENDING Continuation of Ser. No. US 1998-105413, filed on 26 Jun 1998, PENDING Continuation of Ser. No. US 1998-168978, filed on 7 Oct 1998, PENDING Continuation of Ser. No. US 1998-184216, filed on 2
                                                                                                                                                                                                                           Continuation of Ser. No. US 1998-184218, filled on 2
1998.187368, filled on 6 Nov 1998. PENDING Continuation of Ser. No. US 1998-202054, filled on 7 Dec 1998. PENDING Continuation of Ser. No. US 1998-218517, filed on 22 Dec 1998. ABANDONED Continuation of Ser. No. US 1999-25818517, filed on 22 Dec 1998. ABANDONED Continuation of Ser. No. US 1999-265686, filed on 10 Mer 1999, PENDING Continuation of Ser. No. US 1999-267213, filed on 12 Mar 1999, ABANDONED Continuation of Ser. No. US 1999-267213, filed on 12 Mar 1999, ABANDONED Continuation of Ser. No. US 1999-31813, filed on 14 May 1999, PENDING Continuation of Ser. No. US 1999-38138, filed on 25 Aug 1999, PENDING Continuation of Ser. No. US 1999-380138, filed on 25 Aug 1999, PENDING Continuation of Ser. No. US 1999-380138, filed on 25 Aug 1999, PENDING Continuation of Ser. No. US 1999-380138, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 2000-709238, filed on 8
Nov
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WO 2000-US23522
WO 2000-US23528
WO 2001-US5520
WO 2001-US5520
WO 2001-US517403
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WO 2001-US17403
WO 2001-US17403
WO 2001-US17405
WO 2001-US21066
WO 2001-US21066
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                                                                                                                                                                                                                                                                                                        19990720 (60)
19990726 (60)
19990817 (60)
19991207 (60)
     DOCUMENT TYPE:
        FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                                                                                                                                        APPLICATION
Attn: Ginger R. Dreger, Esq., Knobbe, Martens, Olson &
Bear, 16th Ploor, 520 Newport Center Drive, Newport
Beach, CA, 92660
19
     NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:
                                                 OF CLAIMS: 39
ARY CLAIM: 1
OF DRAWINGS: 75 Drawing Page(s)
OUNT: 11726
The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host calls comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides
                                                   the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.
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L17 ANSWER 2 OF 10 USPATFULL, (Continued)
2000, PENDING Continuation of Ser. No. US 2000-723749,
filed on 27 Nov 2000, PENDING Continuation of Ser. No.
US 2000-747259, filed on 20 Dec 2000, PENDING
Continuation of Ser. No. US 2001-816744, filed on 22
Mar 2001, PENDING Continuation of Ser. No. US
2001-816920, filed on 22 Mar 2001, PENDING

Of Ser. No. US 2001-854280, filed on 10 May 2001,
PENDING Continuation of Ser. No. US 2001-854208, filed
on 10 May 2001, PENDING Continuation of Ser. No. US
2001-872035, filed on 1 Jun 2001, PENDING Continuation

of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-872035, filed on 1 Jun 2001, PENDING Continuation of Ser. No. US 2001-874503, filed on 5 Jun 2001, PENDING Continuation of Ser. No. US 2001-874503, filed on 5 Jun 2001, PENDING Continuation of Ser. No. US 2001-882636, filed on 14 Jun 2001, PENDING Continuation of Ser. No. US 2001-886342, filed on 19 Jun 2001, PENDING

	on 14 Jun 2001, PE		
	2001-886342, filed	on 19 Jun 20	01, PENDING
	NUMBER	DATE	
PRIORITY INFORMATION:	WO 1998-US21141		
	WO 1998-US24855	19981120	
	WO 1999-US106	19990105	
	WO 1999-US5028	19990308	
	WO 1999-US5190	19990310	
	WO 1999-US10733	19990514	
	WO 1999-US12252	19990602	
	WO 1999-US28313	19991130	
	WO 1999-US28551	19991202	
	WO 1999-US28565	19991202	
	WO 1999-US30095	19991216	
	WO 1999-US31243	19991230	
	WO 1999-US31274	19991230	
	WO 2000-US219	20000105	
	WO 2000-US277	20000106	
	WO 2000-US376	20000106	
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	WO 2000-US7532 WO 2000-US5004	20000321	
	WO 2000-US5004 WO 2000-US6319	20000224	
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	WO 2000-US13705	20000517	
	WO 2000-US14042	20000517	
	WO 2000-US14941	20000530	
	WO 2000-US15264		
	WO 2000-US20710	20000728	
	WO 2000-US23328	20000726	
	WO 2000-US32678	20001201	
	WO 2000-US34956	20001220	
	WO 2001-US6520	20010228	
•	WO 2001-US9552	20010322	
	WO 2001-US17092	20010525	
	WO 2001-US17800	20010601	
	WO 2001-US19692	20010620	
	WO 2001-US21066	20010629	
	WO 2001-US21735	20010709	
	US 1997-62250P	19971017 (60	)
	US 1997-64249P		
	US 1997-65311P -		
	US 1997-66364P	19971121 (60	
		(00	•

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PATPULL (Continued)
US 1998-77450P 19
US 1998-77631P 19
US 1998-77641P 19
US 1998-77641P 19
US 1998-77641P 19
US 1998-7804P 19
US 1998-7804P 19
US 1998-78036P 19
US 1998-78936P 19
US 1998-78936P 19
US 1998-78936P 19
US 1998-78936P 19
US 1998-79664P 19
US 1998-79664P 19
US 1998-79669P 19
US 1998-79669P 19
US 1998-79669P 19
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US 1998-79788P 19
US 1998-79738P 19
US 1998-79738P 19
US 1998-79931P 19
US 1998-7993
    L17 ANSWER 2 OF 10 USPATFULL
                                                                                                                                                                                                                                                                                                                                                                                                                     19980310 (60)
19980311 (60)
19980311 (60)
19980312 (60)
19980312 (60)
19980320 (60)
19980320 (60)
19980320 (60)
19980320 (60)
19980326 (60)
19980326 (60)
19980327 (60)
19980327 (60)
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19980330 (60)
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                                                                                                                                                                                                                                                                                                                                                                                                                       19980331 (60)
    DOCUMENT TYPE:
                                                                                                                                                                                                                                    REFERENCE, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA, 94080 57
       LEGAL REPRESENTATIVE:
    NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
NUMBER OF DRAWINGS: 237 Drawing Page(s)
LINE COUNT: 2148
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptide. Also provided herein are vectors and host calls comprisig those nucleic acid sequence, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptide of the present invention.
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L17 ANSWER 3 OF 10 USPATFULL
PILE SEGMENT:
LEGAL REPRESENTATIVE:
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NUMBER OF CLAIMS:

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LI7 ANSWER 3 OF 10

ACCESSION NUMBER:
TITLE:
Secreted and transmembrane polypeptides and nucleic acids encoding the same
Ashkenszi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Goo, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerritsen, Mary E., San Mateo, CA, UNITED STATES
Goddward, Audrey, San Francisco, CA, UNITED STATES
Goddward, Paul J., Hillsborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
(Mather, Jennie P., Millbrae, CA, UNITED STATES
Mather, Jennie P., Millbrae, CA, UNITED STATES
Napier, Mary A, Hillaborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Wood, Milliam I., Hillsborough, CA, UNITED STATES
Zhang, Zemin, Foater City, CA, UNITED STATES
Genetech, Inc. (U.S. corporation)
                                                                                                                                                                                                                                          NUMBER
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                                                                                                                                                                                                                                                                                                                                                                                                       DATE
                                                                                                                                                                                                  US 2003044902 A1 20030306
US 2002-66193 A1 20020201 (10)
Continuation of Ser. No. US 2001-2796, filed on 15 Nov
2001, PENDING
       PATENT INFORMATION:
       APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                                                                                                                                                                                           NUMBER
                                                                                                                                                                                                                                                                                                                                                                        DATE
                                                                                                                                                                                              NO. 1998-US19093
NO. 1998-US19033
NO. 1998-US19330
NO. 1998-US24655
NO. 1998-US25109
NO. 1998-US25109
NO. 1999-US25109
NO. 1999-US20101
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       PRIORITY INFORMATION:
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ANSWER 3 OF 10 USPATFULL
                                                                                   (Continued)
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
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75 Drawing Page(s)
LINE COUNT: 12208
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is distance.
                 The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides
                  the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.
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LI7 ANSWER 4 OF 10

ACCESSION NUMBER:
2003:64723 USPATFULL
Secreted and transmembrane polypeptides and nucleic acide encoding the same
Ashkenazi, Avi J. San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Geo, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerritsen, Mary E., San Mateo, CA, UNITED STATES
Gerritsen, Mary E., San Mateo, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
Kijavin, Ivar J., Layfayette, CA, UNITED STATES
Kijavin, Ivar J., Layfayette, CA, UNITED STATES
Napier, Mary A, Hillsborough, CA, UNITED STATES
Napier, Mary A, Hillsborough, CA, UNITED STATES
Napier, Mary A, Hillsborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pann, Nicholas P., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Prancisco, CA, UNITED STATES
Watanabe, Colin K., Morega, CA, UNITED STATES
Cenentedeh, Inc. (non-U.S. corporation)
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WO 2000-US13168
WO 2000-
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US 2002-66211 Al 20020201 (10)
Continuation of Ser. No. US 2001-2796, filed on 15 Nov
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      PATENT INFORMATION:
      APPLICATION INFO.:
RELATED APPLN. INFO.:
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19980910 (60)
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NO. 1998-US19824
NO. 1998-US19930
NO. 1998-US19437
NO. 1998-US19437
NO. 1998-US19437
NO. 1998-US2455
NO. 1998-US25109
NO. 1999-US25108
NO. 1999-US25108
NO. 1999-US20114
NO. 1999-US20114
NO. 1999-US20194
NO. 1999-US2105094
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      PRIORITY INFORMATION:
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L17 ANSWER 4 OF 10 USFATFULL (Continued)
US 1999-169495P 19991207 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Ginger R. Dreger, Knobbe Martens Olson & Bear, 201
California Street, Suite 1150, San Francisco, CA,
94111
NUMBER OF CLAIMS: 19
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 75 Drawing Page(s)
LINE COUNT: 1200
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences,

The bind to the polypeptides of the present for producing the polypeptides of the present
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LIT ANSMER 5 OF 10

ACCESSION NUMBER:
TITLE:
2003:57450 USPATFULL
Secreted and transmembrane polypeptides and nucleic acide encoding the same
Ashkensezi, Avi J., San Mateo, CA, UNITED STATES
Beker, Kevin P., Dernestown, MD, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, David A., Belmont, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Geneber, Hampster, San Francisco, CA, UNITED STATES
Geriter, Hampster, San Francisco, CA, UNITED STATES
Geriten, Mary E., San Mateo, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddweki, Paul J., Hillsborough, CA, UNITED STATES
Godweki, Paul J., Hillsborough, CA, UNITED STATES
Kijavin, Iver J., Layfayette, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Paon, James, Belmont, CA, UNITED STATES
Paon, James, Belmont, CA, UNITED STATES
Paon, Nicholas F., Belmont, CA, UNITED STATES
ROY, Margaret Ann, San Francisco, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Watenabe, Colin K., Morege, CA, UNITED STATES
Watenabe, Colin K., Morege, CA, UNITED STATES
Williams P., Mickey, Half Moon Bay CA, UNITED STATES
Mood, William I., Hilsborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES

NUMBER KIND DATE

KIND US 2003040014 A1 20030227 US 2002-66269 A1 20020201 (10) Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.:

PRIORITY INFORMATION:

	NUMBER	DATE
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wo	1998-US14552	19980714
WO	1998-US18824	19980910
wo	1998-US19093	19980914
wo	1998-US19330	19980916
WO	1998-US19437	19980917
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L17 ANSWER 5 OF 10 USPATFULL (Continued)
DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA. 92660
NUMBER OF CLAIMS: 39

NOMEMOR OF DAMNINGS: 75 DEAWING PAGE(8)
LINE COUNT: 12217
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides

the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

1 75 Drawing Page(s)

EXEMPLARY CLAIM: NUMBER OF DRAWINGS:

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20000302
   DOCUMENT TYPE:
      FILE SEGMEN
   LEGAL REPRESENTATIVE:
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                                                                                                                                 APPLICATION
KNOBBE, MARTENS, OLSON & BEAR, LLP, 620 NEWPORT CENTER
DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660
 DOCUMENT TYPE:
 FILE SEGMENT:
LEGAL REPRESENTATIVE:
 NUMBER OF CLAIMS:
 EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                                                                                  75 Drawing Page(s)
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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L17 ANSMER 6 OF 10

ACCESSION NUMBER:
1TITLE:
Secreted and transmembrane polypeptides and nucleic acids encoding the same
Ashkenazi, Avi J. San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Desnoyers, Luc. San Francisco, CA, UNITED STATES
Desnoyers, Luc. San Francisco, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Geritsen, Mary E., San Mateo, CA, UNITED STATES
Goddwark, Paul J., Hillsborough, CA, UNITED STATES
Goddwark, Paul J., Hillsborough, CA, UNITED STATES
Kijavin, Ivar J., Leyfayette, CA, UNITED STATES
Mather, Jennie P., Millbrae, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Napier, Mary A., San Francisco, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Napier, Mary A., San Francisco, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Napier, Mary A., San Francisco, CA, UNITED STATES
Napier, Daniel, Orinda, CA, UNITED STATES
Napier, Daniel, Orinda, CA, UNITED STATES
Weltanabe, Colin K., Moraga, CA, UNITED STATES
Wallama, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Napier, Colin K., Moraga, CA, UNITED STATES
Napier, Colin K., Moraga, CA, UNITED STATES
Napier, CA, UNITED STATES
Napie
                                                                                                                                                                                                                                        NUMBER KIND DATE

US 2003032063 A1 20030213
US 2002-66494 A1 20020201 (10)
Continuation of Ser. No. US 2001-2796, filed on 15 Nov
           PATENT INFORMATION:
           RELATED APPLN. INFO. :
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WO 2000-US219 WO 2000-US4341

WO 2000-US4414 WO 2000-US5601

ANSWER 6 OP 10 USPATFULL (Continued)

The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides

the present invention fused to heterologous polypeptide sequences, entibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention. of

LI7 ANSWER 7 OF 10

ACCESSION NUMBER:
TITLE:
Secreted and transmembrane polypeptides and nucleic acide encoding the same
Ashkensei, Avi J. San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Deenoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Gao, Wei-Giang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gertisen, Mary E., San Mateo, CA, UNITED STATES
Gertisen, Mary E., San Mateo, CA, UNITED STATES
Goddward, Audrey, San Francisco, CA, UNITED STATES
Goddward, Audrey, San Francisco, CA, UNITED STATES
Goddward, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Mather, Jennie P., Millbrae, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
New Maters, Timothy A., San Prancisco, CA, UNITED STATES
New Maters, Timothy A., San Prancisco, CA, UNITED STATES
Watamabs, Colin K., Moraga, CA, UNITED STATES
Watamabs, Colin K., Moraga, CA, UNITED STATES
Watamabs, Colin K., Moraga, CA, UNITED STATES
Watamabs, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, Milliam I., Nillsborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
Genetch, Inc. (U.S. corporation)

NO DATE US 2003032062 A1 20030213 US 2002-66273 A1 20020201 (10) Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING NUMBER KIND PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.:

L17 ANSWER 7 OF 10 USPATFULL (Continued)
DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA. 92660
NUMBER OF CLAIMS: 39

NUMBER OF CLAIMS:

39
EXEMPLARY CLAIM:

15 Drawing Page(s)
LINE COUNT:

LINE COUNT:

12004

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host calls comprising those nucleic acid sequences, chimeric polypeptide molecules comprising these nucleic acid

NUMBER DATE NO 1998-US14552
W0 1998-US18824
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W0 1998-US19310
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the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

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NO 2001-
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2003:44747 USPATFULL

Secreted and transmembrane polypeptides and nucleic acids encoding the same Ashkenazi, Avi J., San Mateo, CA, UNITED STATES Baker, Kevin Pr., Darnestown, MD, UNITED STATES Botestein, David A., Belmont, CA, UNITED STATES Desnoyers, Luc, San Francisco, CA, UNITED STATES Desnoyers, Luc, San Francisco, CA, UNITED STATES Eaton, Dan L., San Rafael, CA, UNITED STATES Ferrara, Napoleone, San Francisco, CA, UNITED STATES Grow, Sherman, Alameda, CA, UNITED STATES Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES Goddard, Audrey, San Francisco, CA, UNITED STATES Goddard, Audrey, San Francisco, CA, UNITED STATES Goddard, Audrey, San Francisco, CA, UNITED STATES Godwaki, Paul J., Hilleborough, CA, UNITED STATES Kljavin, Ivar J., Leyfayette, CA, UNITED STATES Kljavin, Ivar J., Leyfayette, CA, UNITED STATES Rapier, Mary A., Hilleborough, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Pan, Luckey, Half Moon Bay, CA, UNITED STATES Pan, Zames, CA, Long, CA, UNITED STATES Pan, Zames, CA, Long, CA, UNITED STATES Pan, Zames, CA, Long,
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  L17 ANSWER 8 OF 10 USPATFULL
ACCESSION NUMBER: 2003:44747 USPATFULL
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ANSWER 8 OF 10 USPATFULL (Continued)
E SEGMENT: APPLICATION
AL REPRESENTATIVE: Attn. Ginger R. Dreger, Esq., Knobbe, Martens, Olson 4
Escar, 201 California Street #1150, San Francisco, CA,
94111-3335
 LEGAL REPRESENTATIVE:
 NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                        1
75 Drawing Page(s)
NOMESK OF DRAWINGS: 75 Drawing Page(8)
LINE COUNT: 12185
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides
                     the present invention fused to heterologous polypeptide sequences, satisfied which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present
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L17 ANSWER 9 OF 10 USPATFULL ACCESSION NUMBER: 2002:3 2002:314688 USPATFULL Secreted and transmembrane polypeptides and nucleic 2002:314688 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding
Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Goo, Mei-Qiang, Pelo Alto, CA, UNITED STATES
Gorber, Hanspeter, San Francisco, CA, UNITED STATES
Gorber, Hanspeter, San Francisco, CA, UNITED STATES
Goddowaki, Paul J., Hilsborough, CA, UNITED STATES
GODdowaki, Paul J., Hilsborough, CA, UNITED STATES
Kljavin, Ivar J., Layfayette, CA, UNITED STATES
Mather, Jennie P., Milbrae, CA, UNITED STATES
Mather, Jennie P., Milbrae, CA, UNITED STATES
Mapier, Mary A., Hilsborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, Inkolas F., Belmont, CA, UNITED STATES
Towns, Daniel, Orinda, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Williams, P Mickey, Half Moon Bay, CA, UNITED STATES
Williams, P Mickey, Half Moon Bay, CA, UNITED STATES
Whod, Milliam I., Hillsborough, CA, UNITED STATES
Whod, Milliam I., Hillsborough, CA, UNITED STATES
Cheng, Zemin, Foster City, CA, UNITED STATES
Chennetch, Inc. (U.S. corporetion) TITLE: INVENTOR(S):

PATENT ASSIGNEE(S):

US 2002177165 A1 20021128 US 2002-66500 A1 20020201 (10) Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING NUMBER KIND DATE PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.:

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FILE SEGMENT:
LEGAL REPRESENTATIVE:
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L17 ANSWER 10 OF 10 USPATFULL
ACCESSION NUMBER:
TITLE:
INVENTOR(S):

Vallera, Deniel A., St. Louie Park, MN, UNITED STATES
Buchebaum, Donald J., Birmingham, AL, UNITED STATES
                                                                                                                                KIND
                                                                                         NUMBER
                                                                                                                                                       DATE
                                                                         US 2002048550
US 2001-910639
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 PATENT INFORMATION:
APPLICATION INFO.:
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Utility
APPLICATION
MARK S. ELLINGER, PH.D., Fish & Richardson P.C., Suite
2800, 45 Rockefeller Plaza, New York, NY, 10111
PRIORITY INFORMATION:
DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS: 39

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 12 Drawing Page(s)
LINE COUNT: 1504

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention features radiolabeled immunotoxins, and radiolabeled multimeric (e.g., dimeric) immunotoxins. Also encompassed by the invention are methods of killing pathoganic cells, imaging, and making radiolabeled immunotoxins and radiolabeled multimeric immunotoxins.
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L17 ANSWER 9 OF 10 USPATFULL (Continued)
1150, 201 California Street, San Francisco, CA, 94111
NUMBER OF CLAIMS: 39
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EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
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NUMBER OF DRAWINGS: 75 Drawing Page(s)
LINE COUNT: 12214
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides
                    the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.
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Page 20

Lis ANSMER 1 OF 1 USPATFULL

AB The invention features radiolabeled immunotoxins,
and radiolabeled multimeric (e.g., dimeric)
immunotoxins. Also encompassed by the invention are methods of
killing pathogenic cells, imaging, and making
radiolabeled immunotoxins and radiolabeled
multimeric immunotoxins.

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L20 136 L19 AND SCREEN?

=> s 120 and pathogenic

L21 26 L20 AND PATHOGENIC

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GOODS: 152892 USPATFULL

Secreted and transmembrane polypeptides and nucleic acids encoding the same

Ashkenaxi, Avi J., San Mateo, CA, UNITED STATES

Baker, Kevin P., Darnestown, MD, UNITED STATES

Botstein, David A., Belmont, CA, UNITED STATES

Botstein, David A., Belmont, CA, UNITED STATES

Botnoyers, Luc, San Franciaco, CA, UNITED STATES

Eaton, Dan L., San Rafael, CA, UNITED STATES

Eaton, Dan L., San Rafael, CA, UNITED STATES

Forg, Sherman, Alemeda, CA, UNITED STATES

God, Sherman, Alemeda, CA, UNITED STATES

Godbard, Audrey, San Franciaco, CA, UNITED STATES

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Goddard, Audrey, San Franciaco, CA, UNITED STATES

Goddard, Audrey, San Franciaco, CA, UNITED STATES

Godwiney, Austin L., Belmont, CA, UNITED STATES

Kljevin, Ivar J., Leyfayette, CA, UNITED STATES

Kljevin, Ivar J., Leyfayette, CA, UNITED STATES

Napier, Mary A., Hillaborough, CA, UNITED STATES

Napier, Mary A., Hillaborough, CA, UNITED STATES

Roy, Margaret Ann, San Franciaco, CA, UNITED STATES

Roy, Margaret Ann, San Franciaco, CA, UNITED STATES

Tumes, Daniel, Orinda, CA, UNITED STATES

Matenabe, Colin K., Moraga, CA, UNITED STATES

Matenabe, Colin K., Moraga, CA, UNITED STATES

Watenabe, Colin K., Moraga, CA, UNITED STATES

Wood, William I., Hillsborough, CA, UNITED STATES

Wood, William I., Hillsborough, CA, UNITED STATES

Chemic Colin Colon Colo
 L23 ANSWER 1 OF 10 USPATFULL
ACCESSION NUMBER: 2003:15
 TITLE:
 INVENTOR (S):
 PATENT ASSIGNEE(S):
                                                                                                                                                                                       NUMBER KIND DATE

US 2003104558 A1 20030605
US 2002-226739 A1 20020823 (10)
Continuation of Ser. No. US 2001-2796, filled on 15 Nov 2001, PENDING Continuation of Ser. No. WO
PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
2000-11514042
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 ACCESSION NUMBER:
TITLE:
INVENTOR(S):
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19990726 (60)
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        DOCUMENT TYPE:
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APPLICATION
        FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                                                                                                                                         Arth: Ginger R. Dreger, Esq., Knobbe, Martens, Olson &
Bear, 16th Ploor, 620 Newport Center Drive, Newport
Beach, CA, 92660
39
        NUMBER OF CLAIMS:
     NUMBER OF CLAIMS: 39
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 75 Drawing Page(s)
LINE COUNT: 11726
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host calls comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides
                                                      the present invention fused to heterologous polypeptide sequences, satisodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.
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PATFULL
2003:86798 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding the same
Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Prancisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Prancisco, CA, UNITED STATES
Ferrara, Napoleone, San Prancisco, CA, UNITED STATES
Filvaroff, Ellen, San Fancisco, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Prancisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED
STATES Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
GURNEY, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Kljavin, Ivar J., Lafayette, CA, UNITED STATES
Klyavin, Ivar J., Lafayette, CA, UNITED STATES
Kuo, Sophia S., San Francisco, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, Inicholas P., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Shelton, David L., Oakland, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
WOOd, William I., Hillsborough, CA, UNITED STATES
GENENTECH, INC. (U.S. corporation)

PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.:

PATENT ASSIGNEE(S):

NUMBER KIND DATE

US 2003060406 A1 20030327

US 2001-918585 A1 20010730 (9)

Continuation of Ser. No. US 1998-40220, filed on 17

1998, PENDING Continuation of Ser. No. US 1998-105413, filed on 26 Jun 1998, PENDING Continuation of Ser. No. US 1998-168978, filed on 7 Oct 1998, PENDING Continuation of Ser. No. US 1998-184216, filed on 2

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1998, ABANDONED Continuation of Ser. No. US
1998-187368, filed on 6 Nov 1998, PENDING Continuation
of Ser. No. US 1998-202054, filed on 7 Dec 1998,
PENDING Continuation of Ser. No. US 1998-218517, filed
on 22 Dec 1998, ABANDONED Continuation of Ser. No. US
1999-254645, filed on 5 Mer 1999, PENDING Continuation
of Ser. No. US 1999-265686, filed on 10 Mer 1999,
PENDING Continuation of Ser. No. US 1999-267213, filed
on 12 Mer 1999, ABANDONED Continuation of Ser. No. US
1999-284291, filed on 12 Apr 1999, ABANDONED
Continuation of Ser. No. US 1999-31832, filed on 14
May 1999, PENDING Continuation of Ser. No. US 300137,
PENDING Continuation of Ser. No. US 1999-380138, filed
on 25 Aug 1999, PENDING Continuation of Ser. No. US
1999-380138, filed on 25 Aug 1999, ABANDONED
Continuation of Ser. No. US 1999-380138, filed
on 25 Aug 1999, FENDING Continuation of Ser. No. US
1999-380142, filed on 25 Aug 1999, ABANDONED
Continuation of Ser. No. US 2000-709238, filed on 8

L23 ANSWER 2 OF 10 USPATFULL (Continued)

PATPULL (Continued)
2000, PENDING Continuation of Ser. No. US 2000-723749,
filed on 27 Nov 2000, PENDING Continuation of Ser. No.
US 2000-747259, filed on 20 Dec 2000, PENDING
Continuation of Ser. No. US 2001-816744, filed on 22
Mar 2001, PENDING Continuation of Ser. No. US
2001-816920, filed on 22 Mar 2001, PENDING

Continuation

PR:

of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-872035, filed on 1 Jun 2001, PENDING Continuation of Ser. No. US 2001-874503, filed on 5 Jun 2001, PENDING Continuation of Ser. No. US 2001-874503, filed on 5 Jun 2001, PENDING Continuation of Ser. No. US 2001-882636, filed on 14 Jun 2001, PENDING Continuation of Ser. No. US 2001-886342, filed on 19 Jun 2001, PENDING

		20	01-886342,	filed	on	19	Jun	200	1,
			NUMBER	R	t	DATE	£		
IORITY	INFORMATION:	WO	1998-US21	141	199	810	007		
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		WO	2001-US178	300	200	106	01		
		WO	2001-US196	92	200	106	20		
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		US	1997-64249	P				(60)	
		US	1997-65311	P				(60)	
		US	1997-66364	P	199	711	21	(60)	

Nov

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USPATFULL (Continued)

US 1998-77450P 19980310 (60)

US 1998-77641P 19980311 (60)

US 1998-77641P 19980311 (60)

US 1998-77641P 19980311 (60)

US 1998-77641P 19980313 (60)

US 1998-78040P 19980313 (60)

US 1998-78040P 19980313 (60)

US 1998-78930P 19980320 (60)

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US 1998-78930P 19980320 (60)

US 1998-78930P 19980320 (60)

US 1998-79560P 19980327 (60)

US 1998-79664P 19980327 (60)

US 1998-79728P 19980327 (60)

US 1998-79738P 19980327 (60)

US 1998-79738P 19980327 (60)

US 1998-79938P 19980327 (60)

US 1998-79938P 19980310 (60)

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US 1998-79938P 19980331 (60)

US 1998-80105P 19980331 (60)
    L23 ANSWER 2 OF 10 USPATFULL
             OCUMENT TYPE:
ILE SEGMENT:
EGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
94080
94080
94080
PERMPLARY CLAIM:
17
EXEMPLARY CLAIM:
137 Drawing Page(s)
LINE COUNT:
21248
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptide. Also provided herein are vectors and host cells comprisig those nucleic acid sequence, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptide of the present invention.
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L23 ANSWER 3 OF 10 USPATFULL
'ILE SEGMENT:
JEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
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L23 ANSWER 3 OF 10

ACCESSION NUMBER: 2003:64781 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding the same
Ashkenazi, Avi J. San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Desnoyers, Luc, San Prancisco, CA, UNITED STATES
Desnoyers, Luc, San Prancisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Gen, Wei-Oiang, Palo Alto, CA, UNITED STATES
Gerber, Hampster, San Francisco, CA, UNITED STATES
Gerritsen, Mary E., San Mateo, CA, UNITED STATES
Godowski, Paul J., Hilleborough, CA, UNITED STATES
Godowski, Paul J., Hilleborough, CA, UNITED STATES
Kijavin, Ivar J., Leyfayette, CA, UNITED STATES
Mather, Jennie P., Millbrae, CA, UNITED STATES
Napier, Mary A., Hilleborough, CA, UNITED STATES
Napier, Mary A., Hilleborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, Margaret Ann, San Prancisco, CA, UNITED STATES
Pan, Margaret Ann, San Prancisco, CA, UNITED STATES
Stewart, Timothy A., San Prancisco, CA, UNITED STATES
Walansee, Colin K., Moraga, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
                                                                                                                                                                                                                                 NUMBER KIND DATE

US 2003044902 Al 20030306
US 2002-66193 Al 20020201 (10)
Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING
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APPLICATION INFO.:
RELATED APPLN. INFO.:
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NO 1998-US19333
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NO 1999-US20191
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NO 1999-US20199
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ANSWER 3 OF 10 USPATFULL (Continued) EXEMPLARY CLAIM: NUMBER OF DRAWINGS: 1 75 Drawing Page(s)

NUMBER OF DRAWINS: 75 Drawing rage(s)
LINE COUNT: 12208
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides

the present invention fused to heterologous polypeptide sequences, satibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

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La3 ANSWER 4 OP 10 USPATFULL (Continued)

NO 1999-US10999 199

WO 2000-US2119 200

WO 2000-US4141 200

WO 2000-US4141 200

WO 2000-US5611 200

WO 2000-US5611 200

WO 2000-US5611 200

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WO 2000-US7378 200

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WO 2001-US7318 200

WO 2001-US7318 200

WO 2001-US7318 200

WO 2001-US741 200

WO 200
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2003:64723 USPATPULL

2003:64723 USPATPULL

2003:64723 USPATPULL

Secreted and transmembrane polypeptides and nucleic acids encoding the same askenari. Avi J., San Mateo, CA, UNITED STATES Baker, Kevin P., Darnestown, MD, UNITED STATES Botatein, David A., Belmont, CA, UNITED STATES Desnoyers, Luc, San Francisco, CA, UNITED STATES Desnoyers, Luc, San Francisco, CA, UNITED STATES Eaton, Dan L., San Rafael, CA, UNITED STATES Ferrera, Napoleone, San Francisco, CA, UNITED STATES Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES

Garber, Hanspeter, San Francisco, CA, UNITED STATES

Gerber, Hanspeter, San Francisco, CA, UNITED STATES

Goddard, Audrey, San Francisco, CA, UNITED STATES

Goddard, Audrey, San Francisco, CA, UNITED STATES

Goddard, Audrey, San Francisco, CA, UNITED STATES

Kljavin, Ivar J., Leyfayette, CA, UNITED STATES

Rapher, Mary A., Hillaborough, CA, UNITED STATES

Paoni, Nicholas P., Belmont, CA, UNITED STATES

Paoni, Nicholas P., Belmont, CA, UNITED STATES

Paoni, Nicholas P., Belmont, CA, UNITED STATES

Roy, Margaret Ann, San Francisco, CA, UNITED STATES

Roy, Margaret Ann, San Francisco, CA, UNITED STATES

Williams, P. Mickey, Maif Moon Bay, CA, UNITED STATES

Williams, P. Mickey, Maif Moon Bay, CA, UNITED STATES

Wood, William I., Hillsborough, CA, UNITED STATES

Dennich, Inc. (non-U.S. corporation)
L23 ANSWER 4 OF 10 USPATFULL
ACCESSION NUMBER: 2003:64723 USPATFULL
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TITLE:
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INVENTOR(S):
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PATENT ASSIGNEE (S):
                                                                                                                                                                                                                                                                     NUMBER
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                                                                                                                                                                                                                       US 2003044844 A1 20030306
US 2002-66211 A1 20020201 (10)
Continuation of Ser. No. US 2001-2796, filed on 15 Nov
2001, PENDING
PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                                                                                                                                                                                                                       NUMBER
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NO 1998-US18524
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PRIORITY INFORMATION:
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L23 ANSWER 4 OF 10 USPATFULL (Continued)
US 1999-169495P 19
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION 19991207 (60) FILE SEGMENT: LEGAL REPRESENTATIVE: Ginger R. Dreger, Knobbe Martens Olson & Bear, 201 California Street, Suite 1150, San Francisco, CA, 94111
NUMBER OF CLAIMS: 39
EXEMPLARY CLAIM: 1
1202
LINE COUNT: 12202
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host calls comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides

<C

the present invention fused to heterologous polypeptide sequences, antibodiss which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

SPATFULL

2003:57450 USPATFULL

Secreted and transmembrane polypeptides and nucleic acids encoding the same
Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Forg, Sherman, Alameda, CA, UNITED STATES
God, Sherman, Alameda, CA, UNITED STATES
God, Sherman, Alameda, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godwaki, Paul J., Hillaborough, CA, UNITED STATES
Kljavin, Ivar J., Layfayette, CA, UNITED STATES
Kljavin, Ivar J., Layfayette, CA, UNITED STATES
Napier, Mary A., Hillaborough, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Prancisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Watlansbe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillaborough, CA, UNITED STATES
Chennetch, Inc. (U. S. corporation)

NUMBER KIND DATE L23 ANSWER 5 OF 10 USPATFULL SSION NUMBER: ACCESSI TITLE: INVENTOR (S):

PATENT ASSIGNEE(S):

PF

A1 20030227 A1 20020201 NUMBER PATENT INFORMATION: US 2003040014 US 2002-66269 APPLICATION INFO. US 2002-66269 A1 20020201 (10) Continuation of Ser. No. US 2001-2796, filed on 15 Nov RELATED APPLN. INFO.: 2001, PENDING

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			· · · · · · · · · · · · · · · · · · ·	
RIORITY	INFORMATION:		1998-US14552	1998071
			1998-US18824	19980910
		WO	1998-US19093	1998091
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EXEMPLARY CLAIM: NUMBER OF DRAWINGS:

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DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
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L23 ANSWER 6 OF 10 USPATFULL (Continued)
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US 1998-74086P 19971121 (60)
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US 1998-7900P 1998010 (60)
US 1998-99803P 19980810 (60)
US 1998-190909 (60)
US 1998-1909090 (60)
US 1998-190909 (6
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L23 ANSWER S OF 10 USPATFULL (Continued)
DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660

NOMBER OF DRAWINGS: 75 Drawing Page(s)
LINE COUNT: 12217
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides

the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present

1 75 Drawing Page(s)

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L23 ANSWER 6 OF 10

ACCESSION NUMBER:
TITLE:

Secreted and transmembrane polypeptides and nucleic acids encoding the same

Anbhenazi, Avi J., San Mateo, CA, UNITED STATES

Baker, Kevin P., Darnestown, MD, UNITED STATES

Desnoyers, Luc. San Prancisco, CA, UNITED STATES

Desnoyers, Luc. San Prancisco, CA, UNITED STATES

Eaton, Dan L., San Rafael, CA, UNITED STATES

Ferrara, Napoleone, San Prancisco, CA, UNITED STATES

Gao, Wei-Qieng, Palo Alto, CA, UNITED STATES

Gerber, Henspeter, San Prancisco, CA, UNITED STATES

Gerritsen, Mary E., San Mateo, CA, UNITED STATES

Godowski, Paul J., Hillsborough, CA, UNITED STATES

Godowski, Paul J., Hillsborough, CA, UNITED STATES

Gouney, Austin L., Belmont, CA, UNITED STATES

Kijsvin, Ivar J., Layfayette, CA, UNITED STATES

Mather, Jennie P., Millbrae, CA, UNITED STATES

Napier, Mary A., Hillsborough, CA, UNITED STATES

Napier, Mary A., Hillsborough, CA, UNITED STATES

Napier, Mary A., Hillsborough, CA, UNITED STATES

Pan, James, Belmont, CA, UNITED STATES

Pan, James, Belmont, CA, UNITED STATES

Pan, James, Belmont, CA, UNITED STATES

Roy Margaret Ann, San Prancisco, CA, UNITED STATES

Roy Margaret Ann, San Prancisco, CA, UNITED STATES

Napier, Mary A., Hillsborough, CA, UNITED STATES

Watanabe, Colin K., Morage, CA, UNITED STATES

Genetech, Inc. (U.S. corporation)
                                                                                                                                                                                                                                 NUMBER KIND DATE

US 2003032063 Al 20030213
US 2002-66494 Al 20020201 (10)
Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING
         PATENT INFORMATION:
         APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                                                                                                                                                                                                                                        NUMBER
                                                                                                                                                                                                                                                                                                                                                                                                                                         DATE
                                                                                                                                                                                                                                 NUMBER

WO 1998-US19093

WO 1998-US19330

WO 1998-US19337

WO 1998-US19437

WO 1998-US24855

WO 1998-US25190

WO 1999-US25190

WO 1999-US25190

WO 1999-US26544

WO 1999-US26544

WO 1999-US26544

WO 1999-US26544

WO 2000-US26141

WO 2000-US26141

WO 2000-US2661
         PRIORITY INFORMATION:
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19991201
19991202
19991202
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20000301
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FILE SEGMENT:
LEGAL REPRESENTATIVE:
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 75 Drawing Page(a)
LINE COUNT: 12196
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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of

ANSWER 6 OF 10 USPATFULL (Continued)

The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein ere vectors and hoat cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides

the present invention fused to heterologous polypeptide sequences, amtibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L23 ANSWER 7 OF 10 USPATFULL
ACCESSION NUMBER: 2003:44752 USPATFULL
TITLE: Secreted and answer

INVENTOR (S):

SPATPULL

2003:44752 USPATPULL

Secreted and transmembrane polypeptides and nucleic acids encoding the same acids encoding the same acids encoding the same selected and transmembrane polypeptides and nucleic acids encoding the same selected. As the selected acids encoding the same selected acids encoding the same selected acids acids

PATENT ASSIGNEE(S):

NUMBER KIND DATE US 2003032062 A1 20030213 US 2002-66273 A1 20020201 (10) Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.:

NUMBER DATE NUMBER

NUMBER

NO 1998-US18824

NO 1998-US18930

NO 1998-US1991

NO 1998-US1931

NO 1998-US24955

NO 1998-US2455

NO 1998-US2455

NO 1999-US25109

NO 1999-US25109

NO 1999-US20191

NO 1999-US20191

NO 1999-US20594

NO 1999-US20594

NO 1999-US20591

NO 1999-US20591

NO 1999-US20591

NO 1999-US20591 19980714 19980910 19980916 19980916 19980917 19981201 19981201 19990002 19990901 19990908 19990915 19990915 19991201 PRIORITY INFORMATION:

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L23 ANSWER 7 OF 10 USPATFULL. (Continued)
NO 1999-US10999 1999:1220
NO 1909-US10999 1999:1220
NO 2000-US13412 20000218
NO 2000-US43412 20000218
NO 2000-US43412 20000212
NO 2000-US4841 20000212
NO 2000-US4841 20000312
NO 2000-US4841 20000517
NO 2000-US4841 20000517
NO 2000-US4841 20000517
NO 2000-US4841 20000517
NO 2000-US4841 20000518
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NO 2000-US48741 20000518
NO 2000-US48781 20000611
NO 2000-US48781
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L23 ANSWER 7 OF 10 USPATFULL

PATFULL (Continued)
DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660

NUMBER OF CLAIMS: 39

EXEMPLARY CLAIM: NUMBER OF DRAWINGS: LINE COUNT: 75 Drawing Page(s)

NUMBER OF DRAWINGS: 75 DYAWING page(s)
LINE COUNT: 12204
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host calls comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides

the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

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SPATFULL

2003:44747 USPATFULL

2003:44747 USPATFULL

Secreted and transmembrane polypeptides and nucleic acids encoding the same
Ashkenazi, Avi J., San Weteo, CA, UNITED STATES
Boker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Beton, Dan L., San Rafael, CA, UNITED STATES
Eston, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gorber, Hanspeter, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Kljavin, Ivar J., Leyfayette, CA, UNITED STATES
Kljavin, Ivar J., Leyfayette, CA, UNITED STATES
Napier, Mary A., Hillaborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, J
L23 ANSWER 8 OF 10 USPATFULL
ACCESSION NUMBER: 2003:44747 USPATFULL
TITLE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20000218
20000222
INVENTOR(S):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20000301
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MO 2000-US131705
MO 2000-US14941
MO 2000-US14941
MO 2000-US14941
MO 2000-US14941
MO 2000-US14941
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MO 2000-US23128
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MO 2000-US231278
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MO 2001-US57403
MO 2001-US17403
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PATENT ASSIGNEE(S):
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1997:121 (60)
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1997:122 (60)
1998:129 (60)
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1999:129 (60)
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US 2001-2796
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A1 20011115 (10)
PATENT INFORMATION:
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APPLICATION INFO.
                                                                                                                                                                                                                                                                      NUMBER
                                                                                                                                                                                                                                                                                                                                                                                          DATE
                                                                                                                                                                                                      MUMBER
WO 1998-US18824
WO 1998-US18824
WO 1998-US1930
WO 1998-US1931
WO 1998-US1931
WO 1998-US1931
WO 1998-US25108
WO 1998-US25108
WO 1999-US265108
WO 1999-US20511
WO 1999-US20511
WO 1999-US2051
WO 1999-US2051
WO 1999-US21547
WO 1999-US21547
WO 1999-US23001
PRIORITY INFORMATION:
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L23 ANSWER 8 OF 10 USPATFULL (Continued)
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Attn: Ginger R. Dreger, Esq., Knobbe, Martens, Olson &
Bear, 201 California Street #1150, San Francisco, CA,
94111-3335
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
NUMBER OF CLAIMS: 39
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 75 Drawing Page(s)
LINE COUNT: 12185
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host calls comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides
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the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L23 ANSWER 9 OF 10 USPATFULL ACCESSION NUMBER: 2002:3 2002:314688 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding and shares of the control of the cont 2002:314688 USPATFULL Secreted and transmembrane polypeptides and nucleic TITLE: INVENTOR (S):

PATENT ASSIGNEE(S):

KIND DATE
A1 20021128
A1 20020201 NUMBER US 2002177165 A1 20021128 US 2002-66500 A1 20020201 (10) Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING PATENT INFORMATION: APPLICATION INFO. RELATED APPLN. INFO.:

NUMBER DATE NUMBER

WO 1998-US18824
WO 1998-US19824
WO 1998-US19300
WO 1998-US19310
WO 1998-US19310
WO 1998-US24855
WO 1998-US25190
WO 1999-US20111
WO 1999-US20111
WO 1999-US20114
WO 1999-US21047
WO 1999-US21047
WO 1999-US23011
WO 1999-US23011 19980714 19980910 19980914 19980916 PRIORITY INFORMATION: 19980917 19981120 19981201 19981125 19990308 19990602 19990901 19990908 19990915 19990915 19991201 19991202 19991220

WO 2000-US4341 WO 2000-US4342

20000218 20000218 L23 ANSWER 9 OF 10 USPATFULL

(Continued)

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L23 ANSWER 10 OF 10 USPATFULL
ACCESSION NUMBER: 2002;9203 USPATFULL
RAdiolabeled immunoctoxins

Vallera, Daniel A., St. Louis Park, MN, UNITED STATES
Buchabaum, Donald J., Birmingham, AL, UNITED STATES
Buchabaum, Donald J., Birmingham, AL, UNITED STATES
Buchabaum, Donald J., Birmingham, AL, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 2002048550 Al 20020425
APPLICATION INFO.: US 2001-910639 Al 20010720 (9)

NUMBER DATE

PRIORITY INFORMATION: US 2000-219759P 20000720 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MARK S. ELINGER, PH.D., Fish & Richardson P.C., Suite
APPLICATION
LEGAL REPRESENTATIVE: MARK S. ELINGER, PH.D., Fish & Richardson P.C., Suite
APPLICATION
LEGAL REPRESENTATIVE: 12 Drawing Page (a)
LINE COUNT: 1504
CAS INDEXING IS AVAILABLE FOR THIS PATENT
AB The invention features radiolabeled immunotoxins,
and radiolabeled multimeric (e.g., dimeric)
immunotoxins Also encompased by the invention are methods of
killing pathogenic cells, imaging, and making
radiolabeled immunotoxins and radiolabeled
multimeric immunotoxins and radiolabeled
multimeric immunotoxins.
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L23 ANSMER 9 OF 10 USPATFULL (Continued)

1150, 201 California Street, San Francisco, CA, 94111

NUMBER OF CLAIMS: 39

EXEMPLARY CLAIM: 1

LINE COUNT: 12214

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host calls comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.
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Page 30

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L22 ANSWER 1 OF 26 USPATFULL ACCESSION NUMBER: 2003:1 TITLE: Compos
                                                                                                                                             L22 ANSWER 1 OF 26 USPATFULL
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PATFULL

2003:153345 USPATFULL

Compositions and methods for the diagnosis and treatment of disorders involving angiogenesis Baker, Kevin P., Darnestown, MD. UNITED STATES Pertara, Napoleone, San Francisco, CA, UNITED STATES Gerber, Hanspeter, San Prancisco, CA, UNITED STATES Gerritsen, Mary E., San Mateo, CA, UNITED STATES Goddard, Audrey, San Prancisco, CA, UNITED STATES Goddwaki, Paul J., Hilaborough, CA, UNITED STATES Gurney, Austin L., Belmont, CA, UNITED STATES Gurney, Austin L., Sen Francisco, CA, UNITED STATES Hillan, Kenneth J., San Francisco, CA, UNITED STATES Marsters, Scot A., San Carlos, CA, UNITED STATES Marsters, Scot A., San Carlos, CA, UNITED STATES Marsters, Scot A., San Carlos, CA, UNITED STATES Walliams, Penickey, Half Moon Bay, CA, UNITED STATES Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES Wood, William I., Hillsborough, CA, UNITED STATES Ye, Weilan, Foster City, CA, UNITED STATES Genentech, Inc. (U.S. corporation) INVENTOR(S):

PATENT ASSIGNEE(S):

NUMBER

KIND DATE US 2003105013 A1 20030605 US 2002-233090 A1 20020816 (10) Continuation of Ser. No. US 2002-81056, filed on 20 PATENT INFORMATION:

APPLICATION INFO.: RELATED APPLN. INFO.:

2002, PENDING Continuation of Ser. No. WO 2001-US21735,

filed on 9 Jul 2001, PENDING Continuation of Ser. No. WO 2001-US19692, filed on 20 Jun 2001, PENDING Utility APPLICATION

DOCUMENT TYPE:

FILE SEGMENT: LEGAL REPRESENTATIVE: GENENTECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA,

94080 43 NUMBER OF CLAIMS: EXEMPLARY CLAIM: NUMBER OF DRAWINGS:

392 Drawing Page(s) 8593

LINE COUNT: OUNT: 8593

Compositions and methods are disclosed for stimulating or inhibiting angiogenesis and/or cardiovascularization in mammals, including humans. Pharmaceutical compositions are based on polypeptides or antagonists thereto that have been identified for one or more of these uses. Disorders that can be diagnosed, prevented, or treated by the compositions herein include trauma such as wounds, various cancers, and disorders of the vessels including atherosclerosis and cardiac hypertrophy.

In addition, the present invention is directed to novel polypeptides

to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host calls comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L22 ANSWER 2 OF 26

ACCESSION NUMBER:
TITLE:

INVENTOR(S):

Baker, Kevin P., Darnestown, MD, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddwski, Paul J., Hillaborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillen, Kenneth J., San Francisco, CA, UNITED STATES
Wastanabe, Colin K., Moraga, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillaborough, CA, UNITED STATES
Wood, William I., Hillaborough, CA, UNITED STATES
Gentech, Inc. (U.S. corporation)

NUMBER KIND DATE

US 2003105012 A1 20030605

US 2002-233088 A1 20020816 (10)

Continuation of Ser. No. US 2002-81056, filed on 20 PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.: Feb

2002, PENDING Continuation of Ser. No. WO 2001-US21735,

filed on 9 Jul 2001, PENDING Continuation of Ser. No. WO 2001-US19692, filed on 20 Jun 2001, PENDING

US 2000-232887P 20000915 (60)
Utility
APPLICATION
GENERIECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA,
94080
43

NUMBER OF CLAIMS: 43

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINOS: 392 Drawing Page(s)

LINE COUNT: 8587

AB Compositions and methods are disclosed for stimulating or inhibiting aniogenesis and/or cardiovascularization in mammals, including humans. Pharmaceutical compositions are based on polypeptides or antagonists thereto that have been identified for one or more of these uses. Disorders that can be diagnosed, prevented, or treated by the compositions herein include traums such as wounds, various cancers, and disorders of the vessels including atherosclerosis and cardiac hypertrophy.

In addition, the present invention is directed to novel polypeptides

to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fueed to heterologous polypeptide sequences, amtibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L22 ANSWER 2 OF 26 USPATFULL

PATENT INFORMATION:

2001-US21735,

DOCUMENT TYPE: FILE SEGMENT:

and

APPLICATION INFO.: RELATED APPLN. INFO.:

LEGAL REPRESENTATIVE

L22 ANSWER 3 OF 26

ACCESSION NUMBER:
TITLE:
Compositions and methods for the diagnosis and treatment of disorders involving angiogenesis
Baker, Kevin P., Darnestown, MD, UNITED STATES
Gerber, Hanspeter, San Prancisco, CA, UNITED STATES
Gerber, Hanspeter, San Prancisco, CA, UNITED STATES
Goddwrd, Audrey, San Prancisco, CA, UNITED STATES
Goddwrd, Paul J., Hillsborough, CA, UNITED STATES
Godwski, Paul J., Hillsborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillen, Kenneth J., San Francisco, CA, UNITED STATES
Hillen, Kenneth J., San Francisco, CA, UNITED STATES
Hillen, Kenneth J., San Francisco, CA, UNITED STATES
Marsters, Scot A., San Carlos, CA, UNITED STATES
Pan, James, Etobicoke, CANDA
Stephan, Jean-Philippe P., Millbree, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Ye, Meilan, Foster City, CA, UNITED STATES
Genentech, Inc. (U.S. corporation) NUMBER KIND DATE

US 2003105011 A1 20020605
US 2002-223084 A1 20020816 (10)
Continuation of Ser. No. US 2002-81056, filed on 20 PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.: 2002, PENDING Continuation of Ser. No. WO 2001-US21735, filed on 9 Jul 2001, PENDING Continuation of Ser. No. WO 2001-US19692, filed on 20 Jun 2001, PENDING NUMBER DATE US 2000-232887P 20000915 (60) PRIORITY INFORMATION: DOCUMENT TYPE: FILE SEGMENT: LEGAL REPRESENTATIVE: Utility APPLICATION GENENTECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA, 94080 43 NUMBER OF CLAIMS: EXEMPLARY CLAIM: NUMBER OF DRAWINGS: LINE COUNT: 392 Drawing Page(s) 8593 CONT: 8593

Compositions and methods are disclosed for stimulating or inhibiting angiogenesis and/or cardiovascularization in mammals, including humans. Pharmaceutical compositions are based on polypetides or antagonists thereto that have been identified for one or more of these uses. Disorders that can be diagnosed, prevented, or treated by the compositions herein include traums such as wounds, various cancers, and disorders of the vessels including atherosclerosis and cardiac hypertrophy In addition, the present invention is directed to novel polypeptides to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the PATFULL
2003:146750 USPATFULL
Compositions and methods for the diagnosis and
treatment of disorders involving angiogenesis
Baker, Kevin P., Darnestown, MD, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerritsen, Mary E., San Mateo, CA, UNITED STATES
Goddowski, Paul J., Hilbeborough, CA, UNITED STATES
Goddowski, Paul J., Hilbeborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Marsters, Scot A., San Carlos, CA, UNITED STATES
Marsters, Scot A., San Carlos, CA, UNITED STATES
Marsters, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Ye, Weilan, Foster City, CA, UNITED STATES
Ye, Weilan, Foster City, CA, UNITED STATES
Genetech, Inc. (U.S. corporation) L22 ANSWER 4 OF 26 USPATFULL ACCESSION NUMBER: 2003:1 TITLE: Compos INVENTOR (S) : PATENT ASSIGNEE (S): NUMBER KIND DATE

US 2003100497 A1 20030529
US 2002-223085 A1 20020816 (10)
Continuation of Ser. No. US 2002-81056, filed on 20

2002, PENDING Continuation of Ser. No. WO

94080

NUMBER OF CLAIMS: 43

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 392 Drawing Page(a)

LINE COUNT: 8617

AB Compositions and methods are disclosed for stimulating or inhibiting angiogenesis and/or cardiovascularization in mammals, including humans. Pharmaceutical compositions are based on polypeptides or antagonists thereto that have been identified for one or more of these uses. Disorders that can be diagnosed, prevented, or treated by the compositions herein include trauma such as wounds, various cancers, and disorders of the vessels including atherosclerosis and cardiac hypertrophy.

In addition, the present invention is directed to novel polypeptides

to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

filed on 9 Jul 2001, PENDING Continuation of Ser. No. WO 2001-US19692, filed on 20 Jun 2001, PENDING Utility APPLICATION

APPLICATION
GENERATECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA,
94080
43

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L22 ANSWER 5 OF 26
ACCESSION NUMBER:
2003:146317 USPATFULL
Compositions and methods for the treatment of immune related diseases
INVENTOR(S):
Forg, Sherman, Alameda, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddwski, Paul J, Hillsborough, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Tumes, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
FATENT ASSIGNEE(S):

Balmade Kind Date
                                                                                 US 2003100063 A1 20030529
US 2002-213060 A1 20020805 (10)
Continuation of Ser. No. US 2002-52594, filed on 18
   PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                 2002, PENDING Continuation of Ser. No. WO
   2000-US30873,
                                                                                                      NUMBER
                                                                                                                                                  DATE
                                                                                                                                P 19991223 (60)
 PRIORITY INFORMATION:
DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
DNA
                                                                                US 1999-172059P 19991223 (60)
UE:11ity
APPLICATION
Attn: David A. Carpenter, Ph.D., Genentech, Inc., 1
                                                                                Way, MS 49, South San Francisco, CA, 94080
 NUMBER OF CLAIMS: 36
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINOS: 19 Drawing Page(s)
LINE COUNT: 5513
AB The present invention relates to compositions containing novel proteins and methods of using those compositions for the diagnosis and treatment of immune related diseases.
```

L22 ANSWER 3 OF 26 USPATFULL (Continued)
polypeptides of the present invention fused to heterologous polypeptide
sequences, autibodies which bind to the polypeptides of the
present invention and to methods for producing the polypeptides of the
present invention.

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KIND DATE
    PATENT INFORMATION:
                                                                                                     US 2003099661
US 2002-136574
                                                                                                                                                                                  A1 20030529
A1 20020429 (10)
    APPLICATION INFO .:
                                                                                                                                 NUMBER
                                                                                                                                                                                        DATE
                                                                                                     WO 2001-US27099
                                                                                                                                                                               20010829
    PRIORITY INFORMATION:
DOCUMENT TYPE:
                                                                                                     Utility
APPLICATION
    LEGAL REPRESENTATIVE:
                                                                                                     GENENTECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA.
                                                                                                      94080
    NUMBER OF CLAIMS:
    EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                                                      10 Drawing Page(s)
    LINE COUNT:
                              The present invention relates to compositions containing a novel
    protein
                               and methods of using those compositions for the diagnosis and treatment of immune related diseases.
L22 ANSWER 8 OF 26
ACCESSION NUMBER:
TITLE:
Compositions and methods for the treatment of immune related diseases
Goddward, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
GUTNEY, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Tumms, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Morega, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
                                                                                                   NUMBER KIND DATE

US 2003082199 A1 20030501
US 2002-213199 A1 20020805 (10)
Continuation of Ser. No. US 2002-53107, filed on 17
   PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                                     2002, PENDING Continuation of Ser. No. WO
   2000-US23522,
                                                                                                     filed on 23 Aug 2000, PENDING
                                                                                                                                NUMBER
                                                                                                                                                                                        DATE
                                                                                                  NOVER NO 1999-USION NO 1999-USION NO 1999-USION NO 1999-USION NO 2000-USISON NO 2000-USISON NO 2000-USISON NO 2000-USISON NO 2000-USISON NO 2000-USISON NO 2001-USISON NO 2001-USISON NO 2001-USISON NO 2001-USINO N
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19990901
20000218
    PRIORITY INFORMATION:
                                                                                                                                                                                  20000301
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                                                                                                                                                                                  20000530
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                                                                                                                                                                                20010201
20010601
20010620
20010629
20010709
19990831 (60)
1998110 (60)
19981117 (60)
19981222 (60)
19990427 (60)
19990831 (60)
20000605 (60)
20000915 (60)
                                                                                                                                                                                  20001201
 DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
DNA
                                                                                                   Utility
APPLICATION
Attn: David A. Carpenter, Ph.D., Genentech, Inc., 1
                                                                                                    Way, MS 49, South San Francisco, CA, 94080
 NUMBER OF CLAIMS: 34

EXEMPLARY CLAIM: 1

INUMEBR OF DEAWINGS: 14 Drawing Page(s)

LINE COUNT: 5337

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB resent invention relates to compositions containing novel proteins and methods of using those compositions for the diagnosis and treatment
```

L22 ANSWER 6 OF 26 USPATFULL
ACCESSION NUMBER:
TITLE:
Compositions and methods for the treatment of immune related diseases
INVENTOR(S):
Valdez, Patricia A., San Francisco, CA, UNITED STATES Gurney, Austin L., Belmont, CA, UNITED STATES Grewel, Iqbel, Fremont, CA, UNITED STATES
GREWEL, INC. (U.S. corporation)

NUMBER

```
L22 ANSWER 7 OF 26
ACCESSION NUMBER:
TITLE:
Compositions and methods for the treatment of immune related diseases
INVENTOR(S):
Pong, Sherman, Alameda, CA, UNITED STATES
Goddward, Audrey, San Francisco, CA, UNITED STATES
Goddward, Paul J., Hillsborough, CA, UNITED STATES
STATES
STATES
GUITARY AUSTIN L. PRIMONE CA LINIED STATES
                                                           STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Prancisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Matanabe, Colin K., Moraga, CA, UNITED STATES
Wood, Milliam I., Hillsborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
PATENT ASSIGNEE(S):
                                                                                         KIND DATE
                                                                       NUMBER
                                                           US 2003087380 A1 20030508
US 2002-213182 A1 20020805 (10)
Continuation of Ser. No. US 2002-52594, filed on 18
PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                            2002, PENDING Continuation of Ser. No. WO
2000-US30873.
                                                            filed on 10 Nov 2000, PENDING
                                                                                              DATE
                                                                            NUMBER
                                                           US 1999-172059P 19991223 (60)
Utility
PRIORITY INFORMATION:
DOCUMENT TYPE:
FILE SEGMENT:
                                                            APPLICATION
 LEGAL REPRESENTATIVE:
                                                           Attn: David A. Carpenter, Ph.D., Genentech, Inc., 1
 DNA
                                                            Way, MS 49, South San Francisco, CA, 94080
NUMBER OF CLAIMS: 36
EXEMPLARY CLAIM: 1
INUMEER OF DRAWINGS: 19 Drawing Page(a)
LINE COUNT: 5537
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to compositions containing novel proteins and methods of using those compositions for the diagnosis and treatment of immune related diseases.
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L22 ANSWER 8 OF 26 USPATFULL of immune related diseases (Continued)

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L22 ANSWER 9 OF 26 USPATFULL
ACCESSION NUMBER:
TITLE:
Compositions and methods for the treatment of immune related diseases
INVENTOR(S):
Fong, Sherman, Alameda, CA, UNITED STATES
Goddward, Audrey, San Francisco, CA, UNITED STATES
Grimaldi, J. Christopher, San Prancisco, CA, UNITED STATES
Grimaldi, J. Christopher, San Prancisco, CA, UNITED STATES
                                                            STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
 PATENT ASSIGNEE(S):
                                                                          NIMBER
                                                                                                         KIND DATE
                                                             US 2003077738 A1 20030424
US 2002-213044 A1 20020805 (10)
Continuation of Ser. No. US 2002-52594, filed on 18
 PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                              2002, PENDING Continuation of Ser. No. WO
 2000-US30873.
                                                              filed on 10 Nov 2000, PENDING
                                                              NUMBER
                                                                                             DATE
 PRIORITY INFORMATION:
DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                             US 2000-177118P 20000120 (60) Utility
                                                              APPLICATION
                                                             Attn: David A. Carpenter, Ph.D., Genentech, Inc., 1
                                                            Way, MS 49, South San Francisco, CA, 94080
NUMBER OF CLAIMS: 36
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 9 Drawing Page(s)
LINE COUNT: 5542
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to compositions containing novel proteins and methods of using those compositions for the diagnosis and treatment of immune related diseases.
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L22 ANSWER 10 OF 26 USPATFULL (Continued)
NUMBER OF CLAIMS: 36
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 19 Drawing Page(s)
LINE COUNT: 5542
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to compositions containing novel proteins and methods of using those compositions for the diagnosis and treatment of immune related diseases.
```

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L22 ANSWER 10 OF 26 USPATFULL

ACCESSION NUMBER: 2003:113004 USPATFULL

Compositions and methods for the treatment of immune related diseases

INVENTOR(S): Fong, Sherman, Alameda, CA, UNITED STATES
GOOdward, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillaborough, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
STATES
Gurnav, Austin L., Belmont, CA, UNITED STATES
                                                            STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Wood, Milliam I., Hillaborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
 PATENT ASSIGNEE(S):
                                                                         NUMBER
                                                                                                        KIND DATE
                                                             US 2003077737 Al 20030424
US 2002-212912 Al 20020805 (10)
Continuation of Ser. No. US 2002-52594, filed on 18
 PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                             2002, PENDING Continuation of Ser. No. WO
 2000-11530873
                                                             filed on 10 Nov 2000, PENDING
                                                          NUMBER
                                                                                                                DATE
 PRIORITY INFORMATION:
 DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                             Way, MS 49, South San Francisco, CA, 94080
```

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L22 ANSMER 11 OF 26

ACCESSION NUMBER: 2003:93793 USPATFULL
TITLE: Use thereof to use thereof uses thereof.

INVENTOR(S): Eaton, Dar L., San Refael, CA, UNITED STATES
French, Dorothy, Redwood City, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Pisabarro, Maria Tereus, Dreaden, GERMANY, FEDERAL
REPUBLIC OF
Schmidt, Kerstin N., San Francisco, CA, UNITED STATES
Smith, Victoria, Burlingame, CA, UNITED STATES
Vandlen, Richard, Hillsborough, CA, UNITED STATES
Watlansbe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
```

	NUMBER KIND	DATE
		••••
PATENT INFORMATION:	US 2003065154 A1	20030403
APPLICATION INFO.:	US 2001-15967 A1	20011207 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No.	. US 380137, PENDING
	Continuation of Ser. No.	. US 2000-709238, filed on 8
Nov		
	2000, UNKNOWN Continuati	ion of Ser. No. US 2001-941992
	filed on 28 Aug 2001, PE	

DATE

PRIORITY INPORMATION:	WO 2001-US6520 20010228
	WO 2000-US8439 20000330
	WO 2000-US23328 20000824
DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	GENENTECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA, 94080
NUMBER OF CLAIMS:	32
EXEMPLARY CLAIM:	•1
NUMBER OF DRAWINGS:	9 Drawing Page(s)
LINE COUNT:	5452
CAS INDEXING IS AVAILAR	LE FOR THIS PATENT.
AB The present inve	ention is directed to novel polypeptides having
structural homol	ogy to IL-8 and to nucleic acid molecules encoding
those	•
comprising those comprising the p heterologous pol the polypeptides the polypeptides	so provided herein are vectors and host calls in nucleic acid sequences, chimeric polypeptide molecules olypeptides of the present invention fused to ypeptide sequences, antibodies which bind to of the present invention and to methods for producing of the present invention. Purther provided herein are tment and diagnosis of inflammatory diseases.

```
L22 ANSMER 12 OF 26

ACCESSION NUMBER:
TITLE:
Compositions and methods for the treatment of immune related diseases

Goddard, Audrey. San Frencisco. CA, UNITED STATES
Goddwski, Paul J., Hilsborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Frencisco, CA, UNITED STATES
Hillan, Kenneth J., San Frencisco, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Watanabe, Colin K., Moraga
```

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L22 ANSWER 14 OF 26 USPATFULL ACCESSION NUMBER: 2003:78 TITLE: IL-17 h
                                                                                                                                                                                             JPATFULL
2003:78522 USPATFULL
IL-17 homologous polypeptides and therapeutic uses
thereof
                                                                                                                                                                                           thereof
Chen, Jian, Princeton, NJ, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddowski, Paul J., Hillsborough, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED
STATES
 INVENTOR (S)
                                                                                                                                                                                         STATES
GUTNey, Austin, Belmont, CA, UNITED STATES
Li, Hanzhong, San Mateo, CA, UNITED STATES
Li, Hanzhong, San Mateo, CA, UNITED STATES
Hillan, Kenneth, San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
VanLookeren, Menno, San Francisco, CA, UNITED STATES
Vandlen, Richard, Hillsborough, CA, UNITED STATES
Watcanabe, Colin K., Moraga, CA, UNITED STATES
Watcanabe, Colin K., Moraga, CA, UNITED STATES
Watcanabe, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
GENENTECH, INC. (U.S. corporation)
 PATENT ASSIGNEE(S):
                                                                                                                                                                                         NUMBER KIND DATE

US 2003054442 A1 20030320
US 2001-908827 A1 20010718 (9)
Continuation of Ser. No. US 1999-311832, filed on 14
May 1999, PENDING Continuation of Ser. No. US
1999-380138, filed on 25 Aug 1999, PENDING
PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
Continuation
                                                                                                                                                                                         of Ser. No. US 1999-380142, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 2000-644848, filed on 22 Aug 2000, PRDING Continuation of Ser. No. US 2000-747259, filed on 20 Dec 2000, PENDING Continuation of Ser. No. US 2001-816744, filed on 22 Mar 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING CONTINUATION of Ser. No. US
 Continuation
                                                                                                                                                                                             of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING
                                                                                                                                                                                                             NUMBER
                                                                                                                                                                                     NO 1999-US5033

NO 1999-US510733

NO 1999-US51274

NO 2000-US5411

NO 2000-US5611

NO 2000-US5561

NO 2000-US532678

NO 2000-US312678

NO 
                                                                                                                                                                                                                                                                                                                                             19990308
19990514
19991230
20000218
20000301
20000302
20000321
PRIORITY INFORMATION:
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20000602
20000824
20001110
20001201
20001220
20010228
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19980515
19981223
19990421
19990426
                                                                                                                                                                                           US 1999-130232P
US 1999-131022P
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L22 ANSWER 13 OF 26 USPATFULL
ACCESSION NUMBER: 2003:78564 USPATFULL
Compositions and methods for the treatment of immune related diseases
INVENTOR(S): Fong, Sherman, Alameda, CA, UNITED STATES
GODDWARD, August Alameda, CA, UNITED STATES
GODDWARD, Paul J., Hilleborough, CA, UNITED STATES
Grimaldi J. Christopher, San Francisco, CA, UNITED STATES
STATES
Gurnev. Austin L., Belmont, CA, UNITED STATES
                                                         STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Wood, Milliam I., Hillsborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
 PATENT ASSIGNEE(S):
                                                                    NUMBER KIND DATE
                                                         US 2003054484 Al 20030320
US 2002-213181 Al 20020805 (10)
Continuation of Ser. No. US 2002-52594, filed on 18
 PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                         2002, PENDING Continuation of Ser. No. WO
 2000-US30873.
                                                         filed on 10 Nov 2000, PENDING
                                                                         NUMBER
                                                                                                          DATE
                                                                                         .
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                                                         WO 2000-US4342
WO 1999-US8615
WO 1999-US20111
 PRIORITY INFORMATION:
                                                                                                      20000218
                                                                                                       19990420
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                                                         WO 1999-US28313
                                                                                                       19991130
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WO 2000-US23328
                                                                                                      20000530
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                                                         WO 2000-US32678
                                                                                                      20001201
                                                         WO 2000-US30873
                                                                                                      20001110
                                                        WO 2000-US30873
US 2000-175481P
US 2000-177118P
US 2000-187202P
US 2000-209832P
US 2000-232887P
                                                                                                      20000111
                                                                                                      20000111 (60)
20000120 (60)
20000303 (60)
20000605 (60)
20000915 (60)
 DOCUMENT TYPE:
                                                         Utility
APPLICATION
 FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                         Attn: David A. Carpenter, Ph.D., Genentech, Inc., 1
                                                         Way, MS 49, South San Francisco, CA, 94080
 NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                         19 Drawing Page(B)
 LINE COUNT:
                                                         5524
 LINE COUNT: 5524
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to compositions containing novel proteins and methods of using those compositions for the diagnosis and treatment of immune related diseases.
```

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L22 ANSWER 14 OF 26 USPATFULL (Continued)

US 1999-134287P 19990514 (60)

US 1999-1343837P 19990509 (60)

US 1999-1343837P 19990609 (60)

US 2000-191007P 20000321 (60)

US 2000-191007P 20000321 (60)

US 2000-213807P 20000622 (60)

US 2000-242837P 20001024 (60)

US 2000-242837P 20001024 (60)

US 2000-2444072P 20001026 (60)

US 2000-244072P 20001026 (60)

US 2000-24837P 20000622 (60)

US 2000-24887P 20000622 (60)
```

L22 ANSWER 15 OF 26 USPATFULL
ACCESSION NUMBER: 2003:11111 USPATFULL
TITLE: IL-17 homologous poly

thereof

IL-17 homologous polypeptides and therapeutic uses

```
Chen, Jian, Princeton, NJ, UNITED STATES
INVENTOR (S):
                                                                                                    Chen, Jian, Princeton, NJ, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Goddward, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Burlingame, CA, UNITED STATES
Grimaldi; Christopher, San Francisco, CA, UNITED
                                                                                                    Gurney, Austin L., Belmont, CA, UNITED STATES
Li, Hanzhong, San Mateo, CA, UNITED STATES
Hillan, Kenneth, San Francisco, CA, UNITED STATES
Tumes, Daniel, Orinda, CA, UNITED STATES
VanLookeren, Menno, San Francisco, CA, UNITED STATES
Vandlen, Richard, Hillsborough, CA, UNITED STATES
Watanabe, Colin, Morega, CA, UNITED STATES
Watanabe, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Yaneura, Daniel G., Pacifica, CA, UNITED STATES
GENENTECH, INC. (U.S. corporation)
STATES
 PATENT ASSIGNEE (S):
                                                                                                                                                                                         J DATE
                                                                                                                         NUMBER
                                                                                                                                                                                 KIND
                                                                                                   US 2003008815 A1 20030109
US 6569645 B2 20030527
US 2000-747259 A1 20001220 (9)
Continuation-in-part of Ser. No. US 1999-311832, filed on 14 May 1999, PENDING Continuation-in-part of Ser. No. US 2000-644848, filed on 22 Aug 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US4341, filed on 18 Peb 2000, UNKNOWN Continuation-in-part of Ser. No. WO 2000-US4341, filed on 18 Peb 2000, UNKNOWN Continuation-in-part of Ser. No. WO 2000-US33328, filed on 24 Aug 2000, UNKNOWN Continuation-in-part of Ser. No. WO 2000-US33678,
                                                                                                     US 2003008815
PATENT INFORMATION:
 APPLICATION INFO.
 RELATED APPLN. INFO.:
filed
                                                                                                      on 1 Dec 2000, UNKNOWN Continuation-in-part of Ser.
No.
                                                                                                    WO 1999-US31274, filed on 30 Dec 1999, UNKNOWN Continuation-in-part of Ser. No. WO 2000-US7532, filed on 21 Mar 2000, UNKNOWN Continuation-in-part of Ser. No. WO 2000-US5841, filed on 2 Mar 2000, UNKNOWN Continuation-in-part of Ser. No. WO 2000-US15264,
filed
                                                                                                      on 2 Jun 2000, UNKNOWN Continuation-in-part of Ser-
No.
                                                                                                      WO 2000-US30873, filed on 10 Nov 2000, UNKNOWN
                                                                                                                                  NUMBER
                                                                                                                                                                                            DATE
                                                                                                    US 2000-253646P
US 1999-172096P
US 2000-175481P
US 2000-191007P
US 2000-213087P
 PRIGRITY INFORMATION:
                                                                                                                                                                                    20001128 (60)
                                                                                                                                                                                     19991223 (60)
20000111 (60)
20000321 (60)
                                                                                                                                                                                      20000620
                                                                                                      US 2000-242837P
                                                                                                                                                                                      20001024 (60)
 DOCUMENT TYPE:
                                                                                         USPATFULL
2003:3511 USPATFULL
11-17 homologous polypeptides and therapeutic uses
thereof
Chen, Jian, Princeton, NJ, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul, Burlingame, CA, UNITED STATES
Grimaldi, Christopher, San Francisco, CA, UNITED
L22 ANSWER 16 OF 26
ACCESSION NUMBER:
TITLE:
 STATES
                                                                                                    Gurney, Austin, Belmont, CA, UNITED STATES
Li, Hanzhong, San Mateo, CA, UNITED STATES
Hillan, Kenneth, San Francisco, CA, UNITED STATES
Hillan, Kenneth, San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
VanLookeren, Menno, San Francisco, CA, UNITED STATES
Vandlen, Richard, Hillaborough, CA, UNITED STATES
Watanabe, Colin, Moraga, CA, UNITED STATES
Watanabe, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillaborough, CA, UNITED STATES
Yensura, Daniel, Pacifica, CA, UNITED STATES
GENENTECH, INC. (U.S. corporation)
 PATENT ASSIGNEE (S) :
                                                                                                   NUMBER KIND DATE

US 2003003546 Al 20030102
US 2001-816744 Al 20010322 (9)
Continuation-in-part of Ser. No. US 1999-311832, filed on 14 May 1999, PENDING
                                                                                               NUMBER DATE

WO 2001-US5520 20010228
WO 2000-US34956 20001220
WO 2000-US34956 20001201
WO 2000-US34678 20001201
WO 2000-US33678 20001201
WO 2000-US33328 20000824
WO 2000-US53328 20000824
WO 2000-US5524 20000602
WO 2000-US55811 20000301
WO 2000-US5601 20000301
WO 2000-US5601 20000301
WO 2000-US5411 20000301
WO 1999-US51274 19991210
WO 1999-US10733 19990514
WO 1999-US10733 19990514
WO 1999-US10733 19990514
WO 1999-US10733 19990514
US 1999-1285028 19990308
US 2000-213606P 2000128 (60)
US 2000-1218007P 20001024 (60)
US 2000-1218007P 20001624 (60)
US 2000-1318007P 20000622 (60)
US 2000-1318007P 20000621 (60)
US 2000-175481P 20000121 (60)
US 1999-130327P 19990421 (60)
US 1999-130327P 19990426 (60)
US 1999-131022P 19990421 (60)
US 1999-131022P 19990421 (60)
US 1998-85579P 19980515 (60)
UL111EY,
APPLICATION
GENERATECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA,
 PRIORITY INFORMATION:
DOCUMENT TYPE
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FILE SEGMENT: LEGAL REPRESENTATIVE:

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L22 ANSWER 15 OF 26 USPATFULL (Continued)
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: GENENTECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA,
94080
NUMBER OF CLAIMS: 6 6
94080

MUMBER OF CLAIMS: 60

EXEMPLARY CLAIM: 10

NUMBER OF DRAWINGS: 47 Drawing Page(s)

LINE COUNT: 8685

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising these polypeptides.
                              the present invention fused to heterologous polypeptide sequences, amtibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.
  L22 ANSWER 16 OF 26 USPATFULL 94080 NUMBER OF CLAIMS: 60
 L22 ANSWER 16 OP 26 USPATFULL (Continued)
94080

NUMBER OF CLAIMS: 60

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 48 Drawing Page(s)

LINE COUNT: 7774

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides having sequence identity with IL-17, IL-17 receptors and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host calls comprising those nucleic acid sequences, chimeric polypeptide molecules comprising those playeptides of the present invention fused to heterologous polypeptides equences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention. Further provided herein are methods for treating degenerative
   degenerative cartilaginous disorders and other inflammatory diseases
```

L22 ANSWER 17 OF 26 USPATFULL

of immune related diseases.

(Continued)

TITLE:

L22 ANSWER 17 OF 26 USPATFULL ACCESSION NUMBER: 2002:33

PATENT ASSIGNEE(S):

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NUMBER KIND DATE

US 2002192752 A1 20021219
US 2002-53107 A1 20020117 (10)
Continuation of Ser. No. US 1998-218517, filed on 22
Dec 1998, ABANDONED
 PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                                                                                   NUMBER
                                                                                                                                                                                                                   DATE
                                                                                                               NUMBER

NO 1999-US106
WO 1999-US20111
WO 2000-US4342
WO 2000-US14042
WO 2000-US14042
WO 2000-US14042
WO 2000-US14941
WO 2000-US15264
WO 2000-US13267
WO 2000-US13267
WO 2001-US17800
WO 2001-US17800
WO 2001-US17800
WO 2001-US19692
WO 2001-US19695
WO 2001-US19695
WO 2001-US21735
US 1998-99601P
US 1998-101802P
US 1998-101802P
US 1998-11129PP
US 1999-11129PP
US 1999-151733P
US 2000-209832P
US 2000-209832P
UT111147
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                                                                                                                                                                                                         19990105
 PRIORITY INFORMATION:
                                                                                                                                                                                                            20000218
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2001061
20010629
20010629
20010709
19981110 (60)
19981117 (60)
19981222 (60)
19990427 (60)
19990427 (60)
20000055 (60)
                                                                                                                                                                                                            20001201
                                                                                                                US 2000-32007.
Utility
APPLICATION
Attn: David A. Carpenter, Ph.D., Genentech, Inc., 1
  DOCUMENT TYPE:
  LEGAL REPRESENTATIVE:
                                                                                                                 Way, MS 49, South San Francisco, CA, 94080
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:
                                                                                                                   14 Drawing Page(s)
 LINE COUNT: 5831
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to compositions containing novel proteins and methods of using those compositions for the diagnosis and treatment
 L22 ANSWER 18 OF 26 USPATFULL
ACCESSION NUMBER: 2002:322509 USPATFULL
TITLE: IL-17 homologous polypedies and therapeutic uses thereof
                                                                                                             thereof
thereof
thereof
then, Jian, Princeton, NJ, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
French, Dorothy, Redwood City, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godweki, Paul J., Hillsborough, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Hymowitz, Sarah G., San Francisco, CA, UNITED STATES
Li, Hanzhong, San Mateo, CA, UNITED STATES
Li, Hanzhong, San Mateo, CA, UNITED STATES
Pan, James, Zitobicoke, CANADA
Statovasnik, Melissa A., San Francisco, CA, UNITED
STATES
Tumes, Daniel, Orinda, CA, UNITED STATES
 INVENTOR (S) :
                                                                                                                STATES
Tumes, Deniel, Orinda, CA, UNITED STATES
Van Lookeren, Menno, San Francisco, CA, UNITED STATES
Vandlen, Richard, Hillsborough, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I. Hillsborough, CA, UNITED STATES
Yansure, Daniel G., Pacifica, CA, UNITED STATES
GENENTECH, INC. (U.S. corporation)
  PATENT ASSIGNEE(S):
                                                                                                                NUMBER KIND DATE

US 2002182673 A1 20021205
US 2001-15 A1 20011030 (10)
Continuation-in-part of Ser. No. US 2001-931836, filed
on 16 Aug 2001, PENDING Continuation-in-part of Ser.
No. US 2001-929404, filed on 13 Aug 2001, PENDING
Continuation-in-part of Ser. No. US 2001-9318365, filed
on 30 Jul 2001, PENDING Continuation-in-part of Ser.
No. US 2001-908827, filed on 18 Jul 2001, PENDING
Continuation-in-part of Ser. No. US 2001-934503, filed
on 5 Jun 2001, PENDING Continuation-in-part of Ser.
                                                                                                             US 2001-854280, filed on 10 May 2001, PENDING
Continuation-in-part of Ser. No. US 2001-854208, filed
on 10 May 2001, PENDING Continuation-in-part of Ser.
No. US 2001-816744, filed on 22 Mar 2001, PENDING
Continuation-in-part of Ser. No. US 2000-747259, filed
on 20 Dec 2000, PENDING Continuation-in-part of Ser.
No. US 2000-644848, filed on 22 Aug 2000, PENDING
Continuation-in-part of Ser. No. US 1999-380142, filed
on 25 Aug 1999, ABANDONED Continuation-in-part of Ser.
No. US 1999-380138, filed on 25 Aug 1999, PENDING
Continuation-in-part of Ser. No. US 1999-311832, filed
on 14 May 1999, PENDING
```

WO 2001-US21735 WO 2001-US21066 WO 2001-US19692 WO 2001-US17800 WO 2001-US6520

PRIORITY INFORMATION:

SPATFULL
2002:337393 USPATFULL
Compositions and methods for the treatment of immune
related diseases
Coddard, Audrey, San Francisco, CA, UNITED STATES
Goddwski, Paul J., Hillsborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillen, Kenneth J., San Prancisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Morega, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
GENENTECH, INC. (U.S. corporation)

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L22 ANSWER 18 OF 26 USPATFULL (Continued)

W0 2000-US31456 20001201

W0 2000-US312673 20001110

W0 2000-US312673 20000110

W0 2000-US51364 20000602

W0 2000-US51364 20000302

W0 2000-US51361 20000301

W0 2000-US51361 20000301

W0 2000-US5361 20000301

W0 2000-US561 20000301

W0 2000-US561 20000301

W0 2000-US561 20000301

W0 1999-US1073 19990514

W0 1999-US1073 19990514

W0 1999-US5028 19990308

US 2000-244072P 20001026 (60)

US 2000-244072P 20001026 (60)

US 2000-244072P 20001026 (60)

US 2000-154681P 20000116 (60)

US 2000-191007P 20000622 (60)

US 2000-191007P 20000622 (60)

US 2000-191007P 20000622 (60)

US 1999-110219P 19990514 (60)

US 1999-110219P 19990426 (60)

US 1999-131022P 19990426 (60)

US 1999-131022P 19990426 (60)

US 1999-131022P 19990426 (60)

US 1999-131022P 19990426 (60)

US 1998-131021P 19990516 (60)

US 1998-131021P 19990516 (60)

US 1998-131021P 19990516 (60)

US 1998-131021P 19990516 (60)

US 1998-131021P 19990426 (60)

US 1999-131022P 19990426 (60
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L22 ANSWER 19 OF 26 USPATFULL
ACCESSION NUMBER: 2002:322045 USPATFULL
TITLE: Compounds, compositions and methods for the treatment of diseases characterized by A-33 related
                                                                                     of diseases characterized by A-33 related antigens antigens ashkenski, Avi, San Mateo, CA, UNITED STATES Fong, Sherman, Alemeda, CA, UNITED STATES Goddard, Audrey, San Francisco, CA, UNITED STATES Gurney, Austin L., Belmont, CA, UNITED STATES Tymas, Daniel, Orinda, CA, UNITED STATES Tumas, Daniel, Orinda, CA, UNITED STATES Genentech, Inc. (U.S. corporation)
  INVENTOR (S):
  PATENT ASSIGNEE(S):
                                                                                     NUMBER KIND DATE

US 2002182206 A1 20021205

US 2001-953499 A1 20010914 (9)

Continuation of Ser. No. US 1999-254465, filed on 5
 PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
Mar
                                                                                      1999, PENDING A 371 of International Ser. No. WO
1998-US24855, filed on 20 Nov 1998, UNKNOWN A 371 of
International Ser. No. WO 1998-US19437, filed on 17
                                                                                    DATE

US 1998-7893CP 19980330 (60)
US 1997-66364P 19971121 (60)
ULLILITY
APPLICATION
GENERITECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA,
94080
48
1
  PRIORITY INFORMATION:
 DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS: 48
EXEMPLABY CLAIMS: 48
EXEMPLABY CLAIMS: 49
LINE COUNT: 566
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to compositions and methods of treating and disgnosing disorders cheracterized the by the presence of antigens associated with inflammatory diseases and/or cancer, and nucleotide sequences, including expressed sequence tags (ESTs), oligonucleotide probes, polypeptides, vectors and host calls expressing such antigens PRO301, PRO362 or PRO345.
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L22 ANSWER 20 OF 26 USPATFULL
ACCESSION NUMBER: 2002:31:
TITLE: IL-17 he
                                                                                                                                                                                                            2002:314711 USPATFULL
                                                                                                                                                                                                            IL-17 homologous polypeptides and therapeutic uses
                                                                                                                                                                                                        thereof
Chen, Jian, Princeton, NJ, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Godderd, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Burlingame, CA, UNITED STATES
Grimeldi, J. Christopher, San Francisco, CA, UNITED
STATES
  INVENTOR(S):
                                                                                                                                                                                                          STATES
Gurney, Austin, Belmont, CA, UNITED STATES
Li, Henzhong, San Mateo, CA, UNITED STATES
Hillan, Kenneth, San Prancisco, CA, UNITED STATES
Hymowitz, Sarah G., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Starvovasnik, Melissa A., San Francisco, CA, UNITED
STATES
                                                                                                                                                                                                          STATES
Lookeren, Menno Van, San Francisco, CA, UNITED STATES
Vandlen, Richard, Hillsborough, CA, UNITED STATES
Watanabe, Colin, Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Yansura, Daniel G., Pacifica, CA, UNITED STATES
GENENTECH, INC. (U.S. corporation)
  PATENT ASSIGNEE(S):
                                                                                                                                                                                                                                                    NIMBER
                                                                                                                                                                                                                                                                                                                                                                   KIND DATE
                                                                                                                                                                                                            US 2002177188
US 2001-874503
PATENT INFORMATION:
APPLICATION INFO.:
                                                                                                                                                                                                                                                                                                                                                                            A1 20021128
A1 20010605 (9)
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WO 2001-US6530
WO 2000-US314956
WO 2000-US314976
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WO 2000-US51646
WO 2000-US55641
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WO 2000-244072P
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US 2000-213807P
US 2000-175461P
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  PRIORITY INFORMATION:
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L22 ANSWER 20 OF 26 USPATFULL
                                                                                                                    (Continued)
                                                                               US 1998-113621P
US 1998-85579P
Utility
APPLICATION
                                                                                                                                            19981223 (60)
19980515 (60)
  DOCUMENT TYPE:
FILE SEGMENT:
  LEGAL REPRESENTATIVE:
                                                                               GENENTECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA,
                                                                                94080
 NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                               54 Drawing Page(s)
LINE COUNT: 8549

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides having sequence identity with IL-17, IL-17 receptors and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host calls comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptide of the present invention and to methods for producing the polypeptides of the present invention. Further provided herein are methods for treating degenerative
 LINE COUNT:
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cartilaginous disorders and other inflammatory diseases.

SPATFULL
2002:307542 USPATFULL
Human interferon-epsilon: a type I interferon
Chen, Jian, San Mateo, CA, UNITED STATES
Godowski, Paul, Burlingame, CA, UNITED STATES
Wood, William I., Hilleborough, CA, UNITED STATES
Zhang, Dong-Xiao, Burlingame, CA, UNITED STATES
Genentech, Inc. (U.S. corporation) ACCESSION NUMBER: TITLE: INVENTOR (S): PATENT ASSIGNEE(S): NUMBER KIND DATE US 2002172660 US 6569420 US 2001-919622 A1 20021121 B2 20030527 A1 20010730 PATENT INFORMATION: APPLICATION INFO. Continuation of Ser. No. US 1999-202122, filed on 4 RELATED APPLN. INFO.: 1999, GRANTED, Pat. No. US 6299869 NUMBER DATE WO 1998-US25672 US 1998-106463P US 1998-84045P US 1997-67897P 19981203 19981030 (60) 19980504 (60) PRIORITY INFORMATION: 19971208 (60) APPLICATION
GENENTECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA, DOCUMENT TYPE: LEGAL REPRESENTATIVE: 94080 NUMBER OF CLAIMS: EXEMPLARY CLAIM: NUMBER OF DRAWINGS: 13 Drawing Page(s) LINE COUNT: LINE COUNT: 3710
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns a novel human interferon-epsilon, originally designated PRO655, and its variants and derivatives. The novel interferon is related to but distinct from members of the IFN-alpha. family and from IFNs-beta. and -.gamma.. Nucleic acid encoding the novel polypeptide, and methods and means for their recombinant production are also included.

L22 ANSWER 21 OF 26 USPATFULL

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L22 ANSWER 22 OF 26
ACCESSION NUMBER: 2002:227938 USPATFULL
Novel inhibitor of hepatocyte growth factor activator for use in modulation of angiogenesis and cardiovascularization
                                                               cardiovascularization
Gurney, Austin L., Belmont, CA, UNITED STATES
Kirchhofer, Daniel K., Los Altos, CA, UNITED STATES
Mood, Milliam I., Hillsborough, CA, UNITED STATES
GENEMTECH, INC. (U.S. corporation)
INVENTOR (5):
PATENT ASSIGNEE(S):
                                                                                                                     DATE
                                                                            NUMBER
                                                                                                             KIND
                                                               US 2002123091
US 2000-742201
 PATENT INFORMATION:
                                                                                                               A1 20020905
A1 20001219 (9)
 APPLICATION INFO. :
                                                                                NUMBER
                                                                                                                    DATE
                                                               WO 2000-US3565
WO 2000-US6884
US 2000-253665P
                                                                                                                20000211
 PRIORITY INFORMATION:
                                                                                                                20000315
                                                                                                               20001128 (60)
 DOCUMENT TYPE:
                                                               APPLICATION
 FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                               GENENTECH. INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA.
                                                               94080
54
 NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:
                                                               5 Drawing Page(s)
LINE COUNT: 6377

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AS Compositions and methods are disclosed for stimulating or inhibiting angiogenesis and/or cardiovascularization in mammals, including humans. Pharmaceutical compositions are based on polypeptides or antagonists thereto that have been identified for one or more of these uses. Disorders that can be disgnosed, prevented, or treated by the compositions herein include traums such as wounds, verious cancers, and disorders of the vessels including atherosclerosis and cardiac humartronby.
                   In addition, the present invention is directed to novel polypeptides
 and
                 to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host calls comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.
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L22 ANSWER 23 OF 26
ACCESSION NUMBER:
TITLE:
Nucleic acids encoding A-33 related entigen
polypeptides
Ankenazi, Avi, San Mateo, CA, United States
Pong, Sherman, Aleméda, CA, United States
Goddard, Audrey, San Prancisco, CA, United States
Gurney, Austin L., Belmont, CA, United States
Napier, Mary A., Hillsborough, CA, United States
Tumas, Daniel, Orinda, CA, United States
Wood, William I., Hillsborough, CA, United States
States
States
                                                                      (U.S. corporation)
                                                                                   NUMBER
                                                                                                                          KIND DATE
                                                                     NUMBER
US 6410708
WO 9927098
US 1999-254465
WO 1998-US24855
                                                                                                                                           20020625
                                                                                                                           В1
PATENT INFORMATION:
                                                                                                                                            19990603
19990305
APPLICATION INFO .:
                                                                                                                                                                      (9)
                                                                                                                                                                       PCT 371 date
                                                                                                                                           19990305
                                                                                                                                  DATE
                                                                                          NUMBER
                                                                     US 1998-78936P
US 1997-66364P
Utility
GRANTED
PRIORITY INFORMATION:
                                                                                                                              19980320 (60)
                                                                                                                             19971121 (60)
DOCUMENT TYPE:
FILE SEGMENT:
PRIMARY EXAMINER:
ASSISTANT EXAMINER:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LUBE COUNTY
                                                                     Chan, Christina Y.
Roark, Jessica H.
Barnes, Elizabeth M.
                                                                      28 Drawing Figure(s); 24 Drawing Page(s)
 LINE COUNT:
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
                   DEXING IS AVAILABLE FOR THIS PATENT.
The present invention relates to compositions and methods of treating and diagnosing disorders characterized the by the presence of antigens associated with inflammatory diseases and/or cancer, and nucleotide sequences, including expressed sequence tags (ESTs), oligonucleotide probes, polypeptides, vectors and host cells expressing such antigens PRO301, PRO362 or PRO245.
```

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L22 ANSWER 25 OF 26 USPATFULL

ACCESSION NUMBER: 2001:36629 USPATFULL

Human interferon-epsilon.(IFN-epsilon.), a type I interferon

INVENTOR(S): Chen, Jian, Plainsboro, NJ, United States

Godowski, Paul J., Burlingame, CA, United States

Wood, Milliam I., Hillsborough, CA, United States

PATENT ASSIGNEE(S): Genentech, Inc., So. San Francisco, CA, United States

PATENT INFORMATION: US 6200780 B1 20010113

APPLICATION INFO.: US 1998-206903 19981207 (9)

NUMBER DATE

PRIORITY INFORMATION: US 1997-67897P 19971208 (60)

US 1998-80405F 19980504 (60)

US 1998-106463P 19981030 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: Granted

PRIMARY EXAMINER: Pitzgerald, David L.

LEGAL REPRESENTATIVE: Kreenak, Mark T., Agarwal, Atulya R.

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EXEMPLARY CLAIM: 1.13,22

NUMBER OF DRAMINGS: 1900 Drawing Figure(s): 13 Drawing Page(s)

LINE COUNT: 3679 THIS PATENT.

AB The invention concerns a novel human interferon-epsilon., originally designated PROSSS, and its variants and derivatives. The novel interferon is related to but distinct from members of the IFN-alpha. family and from IFNs-beta. and -gamma. Nucleic acid encoding the novel polypeptide, and methods and means for their recombinant production are also included.
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L22 ANSWER 26 OP 26
ACCESSION NUMBER:
TITLE:
Antibody formulation
Lam, Xanthe M., San Francisco, CA, United States
Coswein, James Q., Moss Beach, CA, United States
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PATENT INFORMATION: APPLICATION INFO.:

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US 1997-53087P 19970612 Patent Granted Nolan, Patrick DiBrino, Merianne Tan, Lee K., Lee, Wendy M. 29

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PRIMARY EXAMINER: DiBrino, Merianne
LEGAL REPRESENTATIVE: Tan, Lee K., Lee, Wendy M.

UMBER OF CLAIMS: 9

EXEMPLARY CLAIM: 1

INUMER OF DRAWINGS: 38 Drawing Figure(s); 25 Drawing Page(s)

LINE COUNT: 2691

LINE COUNT: 2691

LINE COUNT: AB A stable aqueous pharmaceutical formulation comprising a therapeutically

effective amount of an antibody not subjected to prior lyophilization, a buffer maintaining the pH in the range from about 4.5 to about 6.0, a surfactant and a polyol is described, along with uses for such a formulation.